WALLACES' FARMER
and Iowa Homestead

IOWA'S LEADING FARM NEWSPAPER

SEPTEMBER 1, 1956

Sort 'em and Sell 'em

The farm planks 6

Soil bank for '57 18

Make good silage 22

Lots of beef cattle! 36

Traveling with kids? 51

Soybean prices? 60

YOU HAVE three good reasons for sending hogs to town as soon as they hit 200 pounds.

1. Beat the seasonal price decline. Price drops might offset extra weight.

2. Hold down pork tonnage. That might strengthen the market for hogs to be sold later.

3. Leanest, meatiest carcasses usually come from 200-220 pound hogs. Consumers want lean pork. And continued consumer demand is the key to the future of your hog business.

PHOTO shows hogs being sorted for market on the John Shepard farm in Boone county, Iowa. Buyer Wally Mitchell swings the sorting gate as Shepard and helper push the hogs thru. Shepard had already sold 275 spring-farrowed hogs. On this occasion, he took 22 hogs to town, averaging 205 pounds.

WE TORTURE-TEST TRACTOR TIRES

Pilotless tractors work day in and day out testing tractor tires under the most adverse conditions. The units above travel around a center pivot post to which they are attached by cables. To the right, a tractor is punishing tires with a 12-ton load.

TO SAVE YOU MONEY.

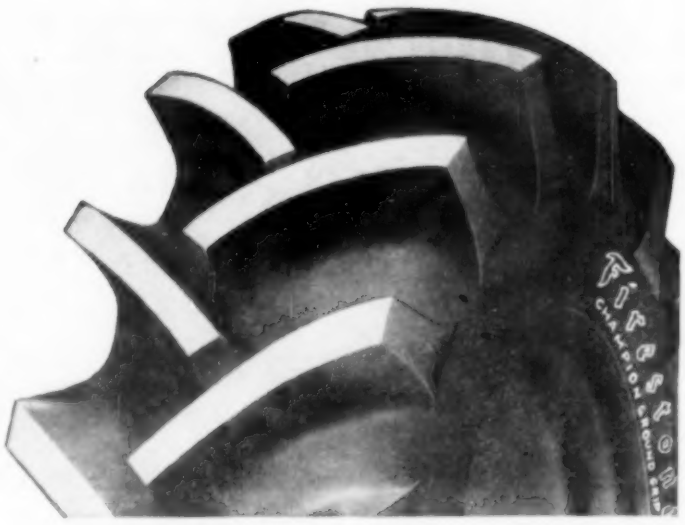
At the Firestone Test Station, Columbiana, Ohio, where the first farm tractor tire was developed, Firestone farm tires are being subjected to many torturous abuses—abuses far beyond the normal farm operation. This is being done to make sure Firestone farm tires will pull better, last longer and save you money when you put them on your tractor.

Grueling tests with heavily loaded, pilotless tractors, as shown above, expose tires to extreme sidewall flexing. Other exhaustive tests are also made on a mud course, sod-covered fields and hard country roads.

Tests are conducted for wear, slippage, aging, ability to deliver drawbar horsepower and other factors. All types of Firestone farm tires from the largest tractor sizes to the smallest implements go through such tests before they are ready for the public.

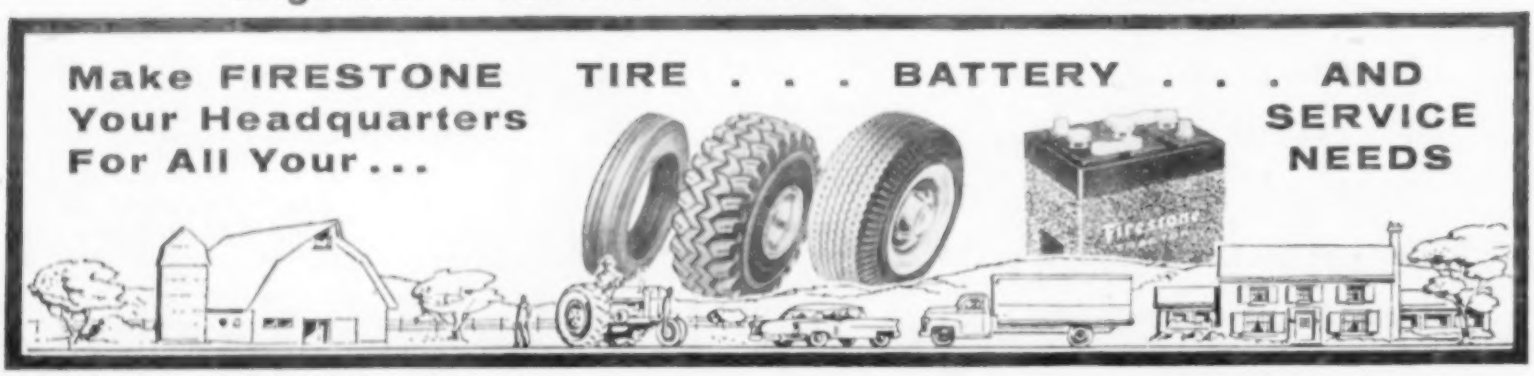
Tests prove conclusively that Firestone farm tires save you money with greater drawbar pull, better cleaning, longer tire life and better retreadability.

Let your Firestone Dealer or Store show you the many other features that help save you money.



ALWAYS BUY TIRES BUILT BY Firestone

Originator of the First Practical Pneumatic Tractor Tire



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Enjoy the Voice of Firestone on radio or television every Monday evening over ABC

WALLACES' FARMER AND IOWA HOMESTEAD, September 1, 1956 (Vol. 81, No. 17). Published first and third Saturdays of each month by the James M. Pierce Corporation, Des Moines, Iowa. Subscription price, one year for one dollar. Entered as second-class matter October 19, 1929, at the post office in Des Moines, Iowa, under the act of March 3, 1879. Copyright, 1956, by the James M. Pierce Corporation.

When Pioneer *Really* Shines!

Harvest Time . . . That's When Pioneer Really Shines

Pioneer shines for yield: You raise corn for the profit you make by selling or feeding it. The higher your yield, the better your family fares. And, at harvest time, when it comes to high, profitable yields . . . well, that's when Pioneer **really** shines.

That's a matter of record . . . proved in official corn tests conducted by agricultural colleges and universities across the width and breadth of the corn belt. Here in Iowa, for instance, of 31 first places listed in the 1955 Iowa Corn Yield Test bulletin, Pioneer hybrids won 15 firsts. No other seed corn producer won more than 3 firsts . . . and 45 companies entered hybrids in 1955. There's official proof that Pioneer does shine for yield — that it's your best bet for top profits.

Pioneer shines for fast, clean picking: In a recent survey made among farmers by an opinion research organization, corn growers rated Pioneer corn "best" for standing up and holding its ears — two important factors in picking corn.

There are fewer lodged stalks, fewer ears on the ground in Pioneer fields. You not only get more corn per acre, you also get more of the yield into your crib. Pioneer stalks seldom clog the picker rolls and Pioneer ears pick relatively free of husks.

Yes, harvest time is when Pioneer really shines . . . for high yield and good picking. So, next year, crib every bushel you can from every acre you plant. Plant all Pioneer seed corn. Order it from your Pioneer salesman when he calls—while you can still get the hybrids and kernel size of your choice.

PIONEER HI-BRED CORN CO., DES MOINES, IOWA
GARST & THOMAS HYBRID CORN CO., COON RAPIDS, IOWA

Hogs and Cattle

BY WALTER J. LEEDS

Early weaning this fall?

I'VE had some mighty interesting conversations with hog men around Iowa these past few weeks and here are two observations I'd like to pass along.

First of all, most of the hog raisers I know who tried early weaning last spring say they're going to stay with it from now on. That's a pretty good indication that practical hog farmers *are* getting results like those reported by the college experiment stations.

One well-known leader in swine research has shown that a program like Nutrena's Weight-Cycle Hog Raising Plan saved $2.75 per pig weaned early. This includes savings in feed cost per pig, savings in sow feed and sow weight and value of having a 10-pound heavier pig at 8 weeks of age by early weaning.

Next, quite a few hog raisers who decided to "wait and see" last spring are planning to go ahead with early weaning this fall. Several are going to leave the first litters on the sow and then wean the *last few litters early.*

I think that makes a lot of good hog raising sense. For one thing, you have all your pigs weaned at about the same time. For another, it gives you a chance to try out early weaning on a small scale and compare the results.

By getting this valuable experience with early weaning this fall, you'll be in a better position to decide about going ahead on a larger scale next spring.

As I see it, that's one of the real big advantages of Nutrena's new Weight-Cycle Hog Raising Plan. You can wean early with a pre-starter like Creep-24. Or you can leave pigs on the sow and creep feed them Creep-20.

Either way, you can have *all* your pigs on Creep-20 when they reach about 15 pounds. From 15 to about 35 pounds you feed Creep-20 . . . then you switch on over to Nutrena's new, economical starter replacement feed, Pre-Shoat-16. This feed is specially designed to meet the changing needs of growing pigs until they are ready for supplement and corn.

As you can see, the Weight-Cycle Plan does make it real easy to try early weaning on just a few litters. Get that valuable experience this fall and then you can decide which weaning method suits your own situation best.

And either way you go, Nutrena's Weight-Cycle Plan provides the right feeds for each step in your feeding program from farrowing to market.

Take Creep-20, for instance.

It's a tasty, high-antibiotic starting feed that really packs a powerful wallop for baby pigs. Gets 'em on dry feed fast and up to pre-shoat weight in so little time you have to see it to believe it. High-level antibiotics, added arsanilic acid, 50% rolled oats, no mill feeds or shorts, heavy helpings of important baby pig vitamins and minerals—no wonder so many hog raisers swear by Creep-20.

Your Nutrena Dealer can give you a lot of help in getting the benefits of Nutrena's new Weight-Cycle Hog Raising Plan. Whether you try early weaning this fall or not, it would be a mighty good idea to find out more about Nutrena's Weight-Cycle Hog Feeds — Creep-24, Creep-20, Pre-Shoat-16, and Shoat-40. (Advertisement)

Potatoes were scarce and high this summer. So Mrs. Edwin Nerem of Hancock county, Iowa, figured she was lucky in getting a good crop from the farm garden. In the dry belt, potatoes were the size of marbles this year.

INSIDE STUFF

AT YOUR FARM, who does the work in the garden? In a recent Wallace-Homestead Poll, 72 percent of Iowa farm men admitted that their wives did most of the work.

FARM WOMEN also usually plan the garden and buy the seeds. Farm men admitted that on 89 percent of the farms, women do most of the seed buying.

WE ASKED women the same question, and for once they agreed with their husbands.

▼ ▼

MY WIFE and I drove north thru Minnesota in early August. How fine it seemed to see green lush pastures after the dry area we had left in central Iowa!

BUT WE FOUND all Minnesota farmers weren't happy. Around St. Paul, rainfall was five inches above normal for the season. No rain-makers up here, either. Far from wanting to "steal" rain from Iowa, they'd like to give us some.

BLACKENED HAY was in some fields. Shocks of grain looked water-logged. Corn in low spots was yellow. While Minnesota crops as a whole were fine, many farmers wished it would stop raining.

▼ ▼

IF YOU LIVED in Europe, you'd be scared stiff over the Middle East upset. Western Europe depends for one-fourth of its power on Middle East oil. By 1975, it may need to get one-half of its supply from that area.

STAKE OF THE U. S. in the affair is that the western alliances against Russia may crumble if Europe runs out of oil. To keep Europe going, we might have gas rationing here again.

▼ ▼

SOME FOLKS paint road signs that say "Prepare to meet thy God." With auto accidents the way they are, this looks timely. But one editor suggests a change occasionally to "Blessed are they which hunger and thirst after righteousness."

▼ ▼

HOW MUCH does it cost to get elected to the senate? The committees supporting Senator Taft in Ohio in 1950 reported spending $512,300.

MAYBE THEODORE Roosevelt's idea is still good. Let the federal government hand out to each candidate enough money so he can get his ideas out where folks can look at them.

UNTIL that happens maybe every farmer should get in the habit of sending in a five dollar check to his pet candidate.

▼ ▼

DON'T PAY too much attention to political platforms. They show, by what they leave out, what a party doesn't intend to do. But what they promise may not be anything you can cash at a bank. Remember the old line: "What you do talks so loud that I can't hear what you say."

—DONALD R. MURPHY.

WALLACES' FARMER AND IOWA HOMESTEAD
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5 million pigs tell a powerful story

How to get your money's worth with pig starters this fall

by WALTER J. LEEDS

You're in this hog business to make money. So I figure you're interested in any program that has gained such great favor with so many hog raisers.

When *you* try a new pig feed, your success with several litters probably gives you confidence in the feed.

Well, just consider that more than five million baby pigs already have been raised on one of the first truly high-antibiotic pig starters. That's over a half million litters!

Seems to me that's a good guide for getting your money's worth this fall. It's pretty hard to argue with success.

Are you saying, "I'm from Missouri, I've gotta be convinced?" Well, here's the rest of the story.

The folks at Nutrena knew they were on the right track long before they ever introduced Creep-20. But all the success stories with Creep-20 showed just how right they were!

They were right when they loaded Creep-20 with such high levels of wonder drugs. They were right when they came out with their new balance of blended baby pig proteins. They were right when they made Creep-20 so appetizing that many pigs started eating as early as 5 to 7 days after farrowing.

Many of the reasons for Creep-20's success are well known. But only recently has it been established that the high-level antibiotics, as are found in Creep-20, help maintain fast gains and high feed efficiency even in the presence of atrophic rhinitis.

It is now also known that high-level antibiotics help suppress sub-clinical diseases. (They can't be seen but are known to exist on a wide scale and they can sap the health and vitality of baby pigs.)

Now, in addition to the high-level antibiotics, Nutrena adds arsanilic acid to Creep-20. Research shows that this combination teams up to give you more help than ever in the fight against losses from scours.

I've heard a lot lately about parakeratosis, skin disease of pigs, from hog raisers. It's good to know that Creep-20 contains an effective level of zinc sulphate for both the treatment and prevention of this disease. So Creep-20 users have this protection also.

Of course, all this special help is wasted if your pigs won't eat the feed. But Nutrena licked this problem right from the start when they packed Creep-20 with rolled oats. You know how baby pigs love rolled oats.

Half the Creep-20 formula is made up of rolled oats to get pigs on dry feed fast.

Get a trial bag of Creep-20 from your Nutrena dealer today. See if you don't find, as so many, many hog raisers have, that you really get your money's worth with Creep-20.

You can move pigs into Nutrena's Weight-Cycle Hog Raising Plan at any of the 4 stages shown above. Each feed is tailored to the changing needs of pigs from birth to market.

NUTRENA MILLS, INC., Minneapolis, Minn.

KILL CANADA THISTLE

after harvest . . . with

Apply now for clean ground next spring

American Cyanamid Company's Amino-Triazole Weedkiller kills thistle *without* interfering with your crop schedule. You can apply it *after* harvesting any field crop—wheat, peas, oats, etc.—or hayland in last year of use. *One application has given better than 90% control!* Amino Triazole actually enters the plant, kills leaves *and* roots. Here's how easy it is to use:

Three simple steps

1. Mow or plow under old thistles. After mowing or plowing, new growth will come up. Application should be made on actively growing thistle.

2. Wait 'till new growth reaches 4" to 10" in height.

3. Spray American Cyanamid Company's Amino Triazole Weedkiller. Use rates, gallonages listed inside container and in free leaflet available at your dealer's. Use power sprayer for full coverage, hand sprayer for spot treatment. Apply up to 2 weeks before frost is expected. Wait 2 weeks before disturbing treated area.

Amino Triazole also kills Sow Thistle, Quack Grass, Volunteer Alfalfa, Russian Knapweed, Poison Ivy and Oak, Prickly Ash, Bermuda Grass, Nut Grass, Cattails and Tules.

CYANAMID

AMERICAN CYANAMID COMPANY — 3505 NORTH KIMBALL AVE., CHICAGO 18, ILL.
AGRICULTURAL CHEMICALS DIVISION — 5023 PATTISON AVE., ST. LOUIS 10, MO.

Free Leaflet
"Kill Canada Thistle after Harvest"—available at your dealer's or write to one of the addresses above.

Name.....
Address.....
State.....

What Two Parties Stand For

Politicians focus attention on farm situation at national conventions

For the information of our readers, we summarize below the highlights of the farm platforms of the two major political parties:

Democratic	*Republican*
PRICE SUPPORTS	
Restore 90 percent parity supports on basic crops, including corn. Regain 100 percent of parity thru commodity loans, direct payments, marketing agreements and orders, and production adjustment. Use "practical measures" to extend price supports to nonbasics, such as feed grains, livestock, dairy and poultry products.	Continue flexible price supports under agricultural act of 1954. Use "effective purchase and donation" to ease temporary surpluses, especially to producers of perishable farm products. "It (the G.O.P. program) does not envision making farmers dependent upon direct governmental payments for their income."
SURPLUS DISPOSAL	
Inaugurate food stamp or other supplemental food program, to be run by state or local agencies. Step up distribution of food to schools and needy adults in U. S. Give other nations more help thru charitable agencies.	Move agricultural commodities into use at home and abroad. Continue and expand the "Republican sponsored school lunch program now benefiting 11 million children." Foster improved nutritional levels.
FAMILY FARMS	
Assist family farmers with specially designed credit and price support programs, technical aid, and enlarged soil conservation allowances.	Push "Republican-sponsored" rural development programs to help low-income families and tenant farmers.
FARM CREDIT	
Provide larger reservoir of farm credit at lower rates of interest.	Encourage and assist private and cooperative sources of credit. Provide supplemental credit thru Farmers' Home Administration where needed.
FARM COOPERATIVES	
Encourage bona fide farm cooperatives and protect them against punitive taxes.	Give full support to farmer-owned and farmer-operated cooperatives.
CROP INSURANCE	
Extend crop insurance to maximum coverage.	Encourage voluntary self-supporting federal crop insurance.
RURAL ELECTRIFICATION	
Insure reliable and low-cost rural electric and telephone service.	Use REA loans to expand power and communication facilities.
RESEARCH	
Expand research on distribution, preservation and marketing. Promote industrial uses of farm surpluses.	Find and vigorously promote new uses for farm crops.
COMMODITY RESERVES	
Maintain adequate reserves, strategically located, for national security purposes. Promote international exchange of commodities by creating an international food reserve.	(No position)
MISCELLANEOUS	
Return farm program administration to farmer-elected committeemen. Act to reduce middlemen's margins.	Improve rural mail delivery service. Encourage improvement of quality in farm products.

Lowest Net Prices! that's what I get with the Conoco Farm Savings Plan!

• Lowest Net Prices!

Compare and see! You get the best price deal going on all purchases of Conoco Motor Oils and Greases (minimum delivery: 30 gallons) ordered *now* for delivery between January 1 and April 30, 1957.

• No Price Risk!

Conoco *guarantees* you complete price protection. If prices go up, your Conoco Man will bill you at today's rock-bottom net prices. If prices drop, you pay delivery-date price.

• No Money Down!

Your Conoco Man's liberal credit terms make it easy to order *today* . . . pay *later* . . . for all your Conoco requirements.

January Savings	Motor Oil	Grease
(For Feb., Mar., and Apr. savings—see your Conoco Man!)	You save 4¢ per gallon!	You save 1¢ per pound!

Now, whether your farm operation is big or small, you can get the best price deal going on Conoco Motor Oils and Greases!

Just figure out how much Conoco Super Motor Oil and Conoco Grease you'll be needing next Spring . . . and arrange for delivery between January 1 and April 30, 1957.

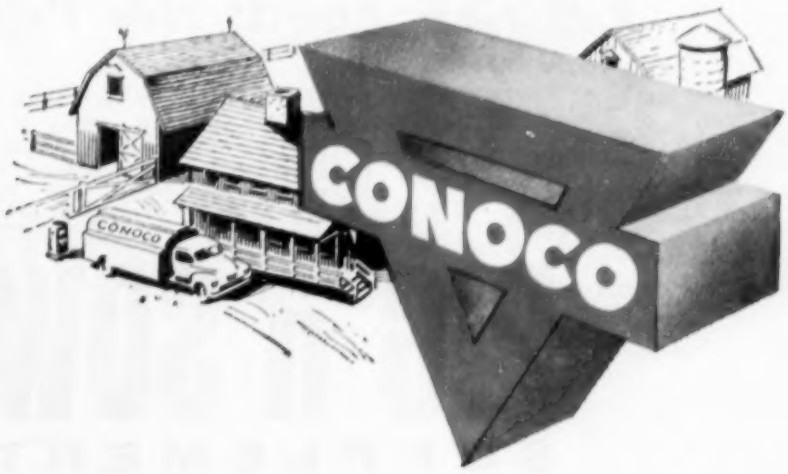
The *earlier* you accept delivery, the *lower* net price you'll pay! But *big savings* are yours right up to April 30th!

Best of all, you take no price risk. Should prices increase, you still pay today's rock-bottom net price. If they go down, you'll pay delivery-date price.

Call your Conoco Man this week for the lowest net prices going! Liberal credit terms? You bet!

BIG SAVINGS ON ALL THESE DEPENDABLE CONOCO PRODUCTS!

- Conoco Super Motor Oil
- Motorine HD Motor Oil
- Conoco Super Lube
- Conoco Transmission Oil
- Conoco Pressure Lubricant



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Voice of the farm

Opposes Food Stamp Plan

To the Editor: I see you are putting forth one of your old standpat ideas—revival of food stamp plans.

People on pensions and those eight million old folks you mention have constitutional rights. They should not be infringed to help the farmer any more than the machinery trust.

There are thousands of these old folks who would prefer to run their own affairs and choose their own food and get along the best way they can on the amount of money alloted them.—F. T. Betts, Marion county, Iowa.

Under the food stamp plan, these old folks would still "run their own affairs and choose their own food." Food stamps would be in addition to what money is now allotted them.—Editor.

Says Benson Staff Not Sincere

To the Editor: The people who are in charge of the Department of Agriculture have not proven sincere in administering the price support and crop control program for the benefit of producers.

Supporting corn at $1.25 to these farmers who are increasing corn acreage and increasing our corn surplus is not going to cure the corn farmer's headache.

In order to get a workable farm program into operation for the benefit of the producer, we must fire Benson, Morse, Butz and Paarlberg. These men have been doing a good job of wrecking our farm program in the past three years.—Chas. Smith, Logan county, Illinois.

"Segregation Is Biblical"

To the Editor: Don't twist God's word!

Acts 17:26 states: "God hath made of one blood all nations of men for to dwell on all the face of the earth, and hath determined the times appointed, and the bounds of their habitation."

Of course Negroes have hearts and rights the same as others. Give them all the benefits that the white people have—but in their own "bounds" and "habitations."

The Bible describes God's plan of segregation in regard to separation of the tribes. Those of one tribe were not to intermarry with those of another . . . . Tribes and races began mingling. And when they began to build the tower of Babel . . . . God put a stop to their building and working and living together.

Wasn't Solomon not to take wives of strange lands? But he did. And what happened to him!

Segregation is Bibical!—Mrs. Earl L. Kranou, Bureau county, Illinois.

Comments On Efficiency

To the Editor: It's strange that so many farmers have become so "inefficient" since the G.O.P. ship set sail with Ike at the helm!—Vern H. Long, Ringgold county, Iowa.

Suggests Slower Autos

To the Editor: Something should be done about the horrible slaughter on our highways.

Our government should make the auto manufacturers cut the speed of their cars down to say 50 miles per hour.

Our people are afflicted with what I call "gaditis and late hours."—Mrs. Mort Graham, Mahaska county, Iowa.

Defends Family Garden

To the Editor: I disagree with her (Are Gardens Worth While? August 4 issue) as to the worth of gardens.

When you have fresh vegetables . . . . your family learns to eat a balanced ration. They're healthier for it. And the cost of food is less.

Where would you take your extra corn and milk money to buy the vegetables that your garden gives you?

Berries yield much in return for the time it takes to set them out and care for them. Many who don't raise them do not have them to eat. Too expensive!

With labor-saving equipment in the home, your leisure time is increased. And there are plows, even motor-driven, to cut down on the hard work of gardening.

. . . . One enjoys the change from housework — almost like leisure time. And the garden does pay.—Mrs. J. E. L., Clayton county, Iowa.

More Time For Youngsters

To the Editor: The young housewife is tied to the hoe too much for what we get from the gardens. . . .

We all like vegetables very much. But they are cheap.

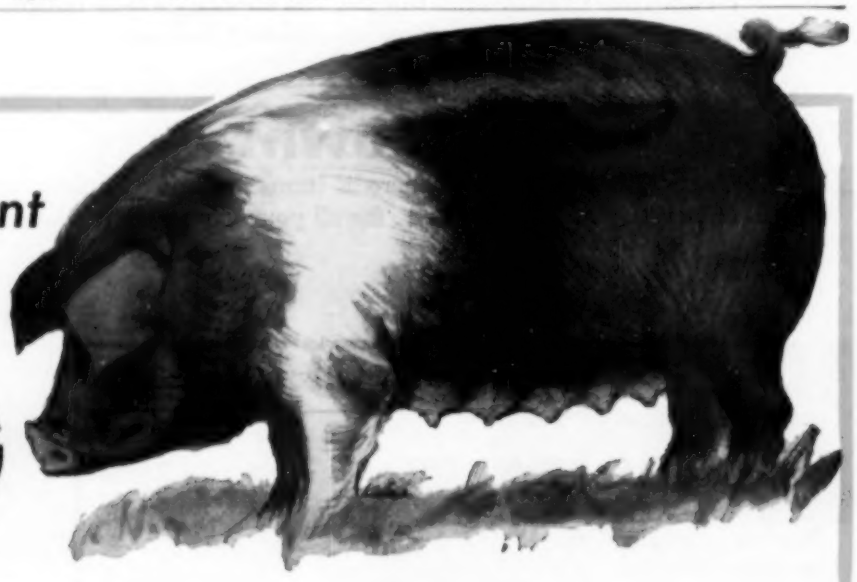
So from now on, I'll raise only half as much—just so we have some fresh vegetables in summer. Then I'll have time to take my four children swimming once a week, play kitten ball with them and read to them a little more.—Mrs. Alfred Sander, McLeod county, Minnesota.

Recent Letter Resented

To the Editor: We in this drouth area don't want to read any such letters as the one titled "Farm Program Too Late" in the July 21 issue.—Frank Bernard, Woodbury county, Iowa.

Lassy Pig 'n Sow Supplement

PREVENTS PRE-BREEDING SLUMP



***LASSY* Feeds Her Pigs Before She Is Bred**

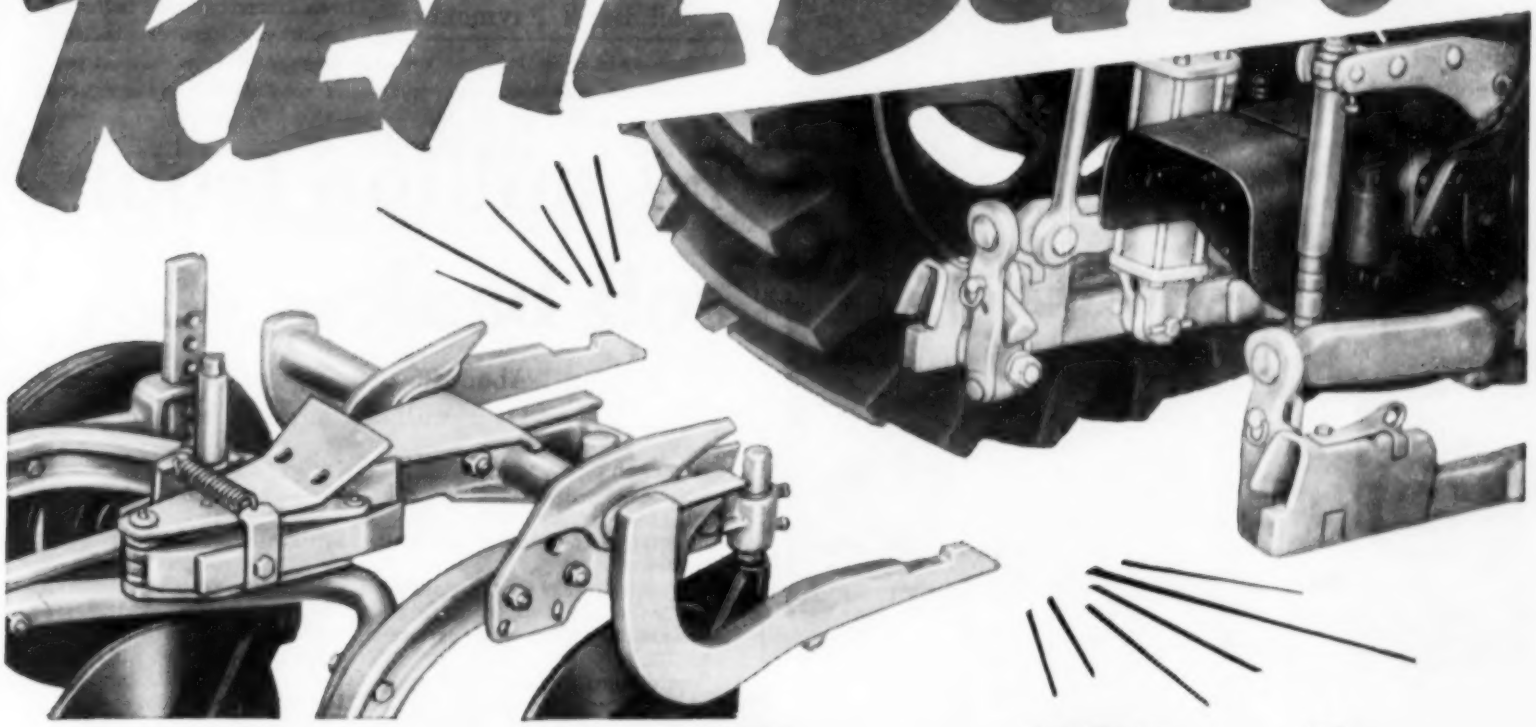
Put your sows in top condition for breeding and the next litter. Lassy Pig 'N Sow Supplement 35% contains all the essential nutrients in the proper balance to prevent the pre-breeding slump. Lassy Pig 'N Sow Supplement 35% is rich in minerals and vitamins that the sow will pass on to the unborn pigs. When the sow is improperly fed, the unborn pigs are sometimes resorbed resulting in fewer pigs. Lassy Pig 'N Sow Supplement 35% is high in antibiotics, which means fast growth for the sow and the unborn pigs. Make next spring's pig crop your best. Start feeding it during the critical pre-breeding period.

LASSY 35%

PIG 'n SOW SUPPLEMENT

SCHREIBER MILLS, INC.
ST. JOSEPH, MISSOURI

Hitch on to a REAL BUY!



see how IH Fast-Hitch saves work, cuts costs...it's a REAL BUY...TWO WAYS!

FAST-HITCH moldboard plows have rugged strength, ample clearance. Available with 12, 14, or 16-inch bottoms.

FAST-HITCH disk plows have exceptional trash-handling ability. Big 26-inch disks are adjustable for all conditions.

FAST-HITCH disk harrows give you thorough, uniform penetration. Choice of tandem or offset models; wide choice of angle settings.

FAST-HITCH planters, drills and listers give you accurate planting, for uniform germination. Hoppers, ground-working equipment for every row crop.

See, try your choice of Fast-Hitch implements. There are 158 sizes and types of Fast-Hitch implements for McCormick Farmall, International® 300 Utility, and Cub® Lo-Boy® tractors . . . to save you time and work *all year long!*

First

—it's the fastest, easiest tractor-to-implement hitching you've ever known . . . as you hitch or switch implements in seconds to get more time for in-the-field work. Just back up . . . click . . . and GO!

Second

—you do quality work on every job, because Fast-Hitch lets implements work as they should, free-floating or controlled . . . to match every field condition or job requirement.

See your nearby International Harvester dealer today . . . or call him . . . for a *FREE* IH Fast-Hitch demonstration. You can convert to Fast-Hitch farming for less money than you think!

SEE YOUR INTERNATIONAL HARVESTER DEALER

International Harvester products pay for themselves in use—McCormick Farm Equipment and Farmall Tractors . . . Motor Trucks . . . Crawler and Utility Tractors and Power Units—General Office, Chicago 1, Illinois.

RED BRAND®

improve your cost-price margin with this RED BRAND formula

Surest way to get a better cost-price spread is through more and better pasture. Here's what pasture can do:

(1) Cut feed cost as much as one-half; (2) Produce feed value per acre equal to 100 bushels of corn or better; (3) Increase man-hour labor returns as much as six times; (4) Cut machinery and seed costs; (5) Reduce erosion; (6) Return more fertilizer value of feeds to soil; (7) Bring healthier livestock to market sooner; (8) Produce leaner meat animals that meet today's consumer demands.

The RED BRAND formula:

(1) Divert low-producing croplands to pasture, adding to regular grassland; (2) Test soil; (3) Lime and fertilize according to need; (4) Prepare a good seedbed; (5) Seed with most adaptable and productive grasses and legumes; (6) Break larger pastures into smaller ones; (7) Graze livestock in small bunches in short grazing periods per pasture.

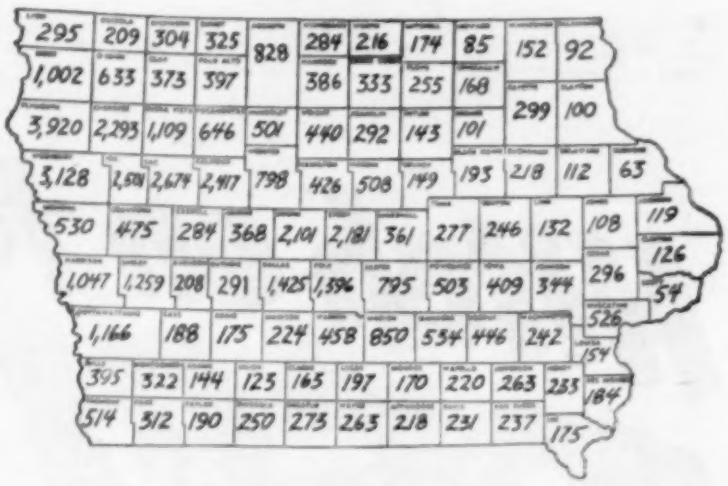
Easy-handling qualities of RED BRAND® Fence and Barbed Wire are best adapted to pasture programs that cut costs.

RED BRAND's durability gives *extra* cost-cutting value. It's Galvannealed®—zinc is fused deep into the wire so that it keeps rust out years longer. Combine RED BRAND with tough, easy-to-drive RED TOP® Steel Posts.

Ask your RED BRAND dealer to help you plan a profitable pasture program. Request from him free literature on research and better farming methods.

KEYSTONE STEEL & WIRE COMPANY
Peoria 7, Illinois

RED BRAND® Fence • RED BRAND® Barbed Wire, RED TOP® Steel Posts • Keyline Poultry Netting • Non-Climbable Fence • Ornamental Fence • Rails • Gates • Bale Ties.



Soil Bank Payments to Iowa farmers are indicated by counties. Figures indicate thousands of dollars due on corn acreage reserve. Wheat payments are due in 34 counties, but are not included in the figures.

54 million from soil bank

About 35 percent of farmers signed up. Over million acres in acreage reserve

SOIL bank payments to Iowa farmers will exceed 54 million dollars. That much is due on 68,116 corn acreage reserve agreements.

In addition, 299 farmers in 34 counties signed wheat acreage agreements. They will receive $111,572.

Some agreements, of course, by both corn and wheat farmers might not be carried out. But few are expected to drop out. Estimated payments are expected to be close to the final figure.

About 35 percent of all farmers in Iowa signed corn acreage reserve agreements. That's based on the latest count of 194,623 Iowa farms made in 1954.

Total acreage placed in the corn acreage reserve was 1,277,480. Dividing that into the total payment shows that the average per acre payment for corn acreage reserve was over $42 per acre.

On 5,666 acres in the wheat acreage reserve, payments will average over $19 per acre.

The Iowa map on this page shows the corn acreage reserve payments due farmers in each county. Wheat acreage payments are not included in these totals.

The map shows that by far the greatest sign-up in the corn phase of the soil bank was in the drouth damaged areas of west central and northwest Iowa.

Plymouth county leads all other counties in corn acreage reserve payments. Agreements signed were 2,445 and payments due total $3,919,950.

Woodbury county farmers will also receive over three million dollars. Agreements are 2,457 and payments to be made, $3,127,706.

There are six Iowa counties in which farmers will get over two million dollars in soil bank payments. They are Sac, Ida, Calhoun, Cherokee, Story and Boone.

Seven counties in which farmers will receive over one million dollars are Dallas, Polk, Shelby, Pottawattamie, Buena Vista, Harrison and Sioux.

Smallest payments for corn acreage reserve go to counties noted for dairy farming. Scott county farmers have the least money coming—$53,648.

Other counties in which farmers have less than $100,000 coming are Howard, Dubuque, Clayton and Allamakee.

What effect will the soil bank payments have on Iowa farm income? How much will banking 1,277,480 acres reduce production?

The 54 million dollars would equal about 2.6 percent of Iowa farmers gross income in 1955. But of course to earn the 54 million, farmers left some oats, corn and grass in fields unharvested.

Greatest influence on production from this year's soil bank operations was on oats. Many acres of oats were clipped by farmers already in compliance with corn acreage allotments. No figures exist, however, as to just how many.

Some grass acres too were used to draw corn acreage reserve payments. Only a slight effect on hay production can be expected from this practice.

In the counties where drouth really damaged the corn, many fields of corn were disked down early. Some reduction in total yields resulted as much of the corn if left would have made 20 to 40 bushels per acre. Destroyed corn fields are noticeable in probably a dozen counties.

On the whole, no noticeable cut in production can be expected from soil bank operations this year. But farmers will get some extra cash immediately and some labor and harvesting expense was saved. The soil bank was important as drouth relief in some counties.

DOGS are in greatest danger of distemper in the first few months after they are weaned. However, pups can be vaccinated at six to eight weeks of age.

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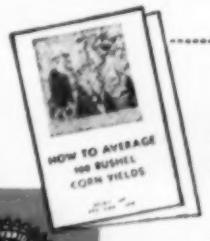

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The Wallace-Homestead Poll asked:

"What do you expect light hogs to bring at your local shipping point in October?
Iowa farm operators answered:

$10-13	2%
$12-13	25
$14-15	43
$16-17	25
$18-19	4
$20 up	1

This farmer thinks October price may hit around $14 or $15. John D. Morris, Louisa county, Iowa, agrees with 43 percent of the farmers interviewed by the Wallace-Homestead Poll.

Hog prices next month?

Farmers guess about hog price prospects in October and April

SPRING pigs are getting ready for market now. What will they bring next October?

The Wallace-Homestead Poll asked several hundred farm operators, interviewed on their farms, to make a guess.

Almost all of these farmers—97 percent—guessed somewhere between $12 and $17. So if the price drops below $12 or rises above $17, a lot of folks will be surprised.

A man in Muscatine county probably spoke for many when he said: "I'd like to think they'd be $20 or higher, but I really think that $14 is more likely."

Some government help for hog prices in an election year was predicted by a Poweshiek county man: "I think hogs will be higher as we get near election time," he said.

A man in Louisa county asked: "Do you want what I truly expect or what I'd like to see?" The interviewer asked for what he "truly expected."

"Tell me what will happen to the beef market and I can guess better," said one farmer in Shelby county.

One thing that will influence price is the rate at which farmers market their hogs. Will there be a rush in November or December? Or will marketings be spread more evenly over the year?

The Wallace-Homestead Poll asked: "Will your spring pigs be marketed earlier or later this year than last year?"

Farmers answered:

1. Earlier this year	**22%**
2. Later	**21**
3. About the same	**53**
4. Undecided	**4**

This looks as if marketing would be spread out a little more evenly than a year ago. Market experts then said that two dollars of the cut in price was probably the result of dumping more hogs on the packers than they could process. So more orderly marketing this season may help winter prices.

How do farmers feel about price prospects for fall pigs? On this, they are more hopeful than about spring pigs.

The Wallace-Homestead Poll asked: "When the fall pig crop goes to market next March or April, what price do you think light hogs will bring at your local shipping point?"

Iowa farmers made these predictions:

1. $10-11	**1%**
2. $12-13	**13**
3. $14-15	**27**
4. $16-17	**49**
5. $18-19	**9**
6. $20 and up	**1**

On the whole, farmers expect fall pigs sold next spring to bring around two dollars more per hundred than spring pigs sold this October. While 43 percent picked $14-$15 as the probable price in October, 49 percent picked $16-$17 as the probable price in late spring.

Hardly anyone expected prices to drop below $12 or to rise above $19.

How will these price expectations affect breeding for spring litters in November and December? Much depends on the corn crop, of course. In any township, a drop in corn yields means a cut in hog production.

This year, everybody can get a corn loan if he wants one. So the price of free corn may be somewhere near the $1.20 loan figure for corn produced by farmers who didn't comply with allotments.

If free corn sells around $1.20, farmers will not be apt to expand hog production unless they look for hog prices of $15 or better a year from now.

Does the expectation of $16 or $17 hogs in the spring by many farmers indicate that folks are getting hopeful about the market thruout 1957?

If so, spring pig production in 1957—particularly in the counties with good corn crops—may not fall below the 1956 figure and might exceed it.

Yet even a favorable corn-hog ratio might not overcome in many farmer's minds the sad recollection of $10 hogs. While that memory still burns, there is likely to be a cautious attitude toward hog production.

The Wallace-Homestead Poll will check farm views later in the fall and report on how farmers are thinking then about 1957 pig production.

A WALLACE-HOMESTEAD POLL

Editorials...

Farming is risky enough without taking chances on hog cholera. The safe course is to vaccinate, as Dr. A. C. Petersen of Washington county, Iowa, is getting ready to do here.

A Friend Goes

Farm folks in late August lost thru death a friend most of them never saw but whom they knew well 25 years ago thru his travel stories in this paper.

He was Francis A. Flood, one-time globetrotter, farm paper editor, and Washington agricultural official. Flood's travels had taken him literally to every corner of the globe. A native of Oakland, Iowa, Flood in recent years had served in Europe and Canada with the U. S. Foreign Service.

For Full Parity

HOW MUCH additional income would it take to give agriculture full parity?

These questions are in order because both political parties now have proclaimed full parity as their farm policy goal.

In 1955, farm income from agricultural sources alone amounted only to one-third of a full per capita share of the total national income. After adding in returns from off-farm employment, it was still only 49 percent of a full per capita share.

If we go back to the 1910-14 base period, most generally used for computing fair relationships, we find that agriculture even then got not quite 85 percent of a full per capita share. Just the same, this share, proportionally, was nearly two-thirds larger than farmers received in 1955!

Now then, would raising prices to 100 percent of parity give agriculture full parity income as defined above? Quite clearly, it would not. Farm prices at mid-July averaged 85 percent of their full parity level. Raising them another 15 percent, even without any change in volume of marketings, certainly would not boost total farm income to a level at least twice as high as in 1955. Actually the only price-raising device available to farmers at present is to cut production which means that income then goes up at a slower rate than prices.

Thus, farmers this fall will be watching candidates rather closely on price and income talk. They are not apt to be convinced by promises to bring about full parity thru production adjustments alone. Or by returning farmers to the "free market" as it operates today. The job is much harder than that.

To Hear Both

IN PAST election campaigns, farmers have often wished that they might hear the candidates of both parties from the same platform. They have felt that that would give them a better basis for deciding their vote.

This year, the newly-formed Iowa chapter of the National Farmers' Organization (NFO) plans a series of such meetings for both senatorial and congressional candidates. It is announced that there will be one such gathering in each congressional district before November 6. Watch for dates.

A Study For Farm Bureau

DURING the time of $10 hogs last winter, a good many Farm Bureau members felt they were being misrepresented by their leadership.

In reply, the officers cited the majority opinions that they had obtained from their annual community discussion meetings. All members, they pointed out, had had a chance to vote on the various issues.

Unfortunately for the Bureau leadership, many of these meetings had not been well attended. They came before the worst of the price decline. Many members had not yet arrived at a critical appraisal of the administration's flexible price approach.

When farm opinion did crystallize, the annual Farm Bureau policy-forming process was pretty well along. Some members thought that a second round of local policy voting should have been held during the winter, if for no other reason than to blow off steam. But this was not undertaken.

In Iowa, however, the officers did pledge to start policy meetings at an earlier date in 1956 and to drive hard for wider participation. Beginning next week, therefore, Bureau members in all of Iowa's communities will be in session to develop their current views.

What are some of the issues that will be discussed? Most counties probably will adopt the suggestions developed during the summer in district conferences of local resolutions committees. That is, opinions will be sought first on such state proposals as limiting property tax rates, increasing the gas tax and promoting meat with a producer check-off.

In addition there will be consideration of national farm program matters. I notice for one thing that members will be asked for suggestions for improving the soil bank program. This ought to yield some enlightening replies.

One issue which should be covered in the discussion this year (but which I didn't find in the list sent out from Des Moines) is that of distributing more food to school children and needy adults. But if they desire, local meetings can go on record as in favor of it by such means as the school lunch program and the food stamp plan.

At first glance, I thought that the Bureau had also left out the important, but controversial subject of direct payments to supplement farm income. But on looking closer, I became less certain because I found this interesting wording:

"Price supports at any level tend to freeze production patterns, encourage unneeded production, and discourage consumption. In addition, price supports do not support income, as evidenced by the recent decline. It has been suggested that we should develop methods for stabilizing and protecting national farm income rather than farm prices. **Question: Would you favor a study to determine the feasibility of such a plan?"**

This seems to confirm the rumor that the Iowa Bureau officials have been thinking about a new approach to the farm income problem. I have heard that they may be ready to devise a net income standard for farmers and to explore (altho not necesarily endorse) supplemental payments by the government.

On the assumption that this may be the case, all local Farm Bureau members, if they do nothing else, should turn out this year for their policy meetings and vote "Yes" on the question of such a study. And they might logically also ask that the study be promptly concluded for early reference back to the membership.

Even without a change in the administration, the supplemental payment issue could easily come up in the next session of Congress. In the meantime, all farmers should have an opportunity to develop views with regard to it, thus to be in a position to instruct their leadership if the need arises.

—Art Thompson.

Troubles with Children

IF YOU'VE been worrying about delinquent children, here's some advice from Judge Sarah T. Hughes of Texas: "Nothing is more conducive to child delinquency than a monotonous, day to day existence where the child is never engaged, or where he is never sure of himself and those around him."

And Senator Robert C. Hendrickson of New Jersey adds: "There is a definite relationship between a child's concept of law and order and adult attitudes toward income-tax evasion, traffic ticket fixing and the simple instructions to a child to tell the bill collector mama isn't home, when she is."

Ezra's Boast

WHILE speaking before the home folks in Idaho on August 17, Secretary Benson did a little boasting.

"I repeat", he said, "Our programs are getting results. There is growing optimism among farmers. In the past seven months, prices of farm products have gone up about 10 percent nationally. The parity ratio has risen from 80 to 85. Farm prices and the parity ratio have not only stopped falling—they are definitely climbing."

That parity ratio of 85 reported by the Secretary was actually only one point higher than a year earlier.

Moreover, as farm prices have gathered strength thru reduction in marketings, farmers costs have been rising. The index of prices paid by farmers in July was three percentage points higher than for the same date in 1955.

Empty farm homes are increasing in number with the continuing enlargement in farm operations. The one pictured here is on Highway 169 in Union county, Iowa. More than 600,000 families have given up farming in the United States during the past five years.

Odds and Ends . . .

. . . BY 1960, the number of persons aged 65 or over may amount to about one person in nine, and about one person in six of the adults aged 20 to 64.

. . . "I'M FOR cost of production plus a reasonable profit for the farmer. That is my position, no matter what the national convention platform might say."—Gov. Leo A. Hoegh of Iowa, at the Republican convention, Aug. 22.

. . . WHEN FARM prices fall while other industries boom, non-farmers have extra money to spend. Some people think this spending will offset reduced purchases by farmers. They're wrong, because non-farmers don't buy the same things as farmers. Ask any implement dealer.

. . . LESS THAN two percent of the U. S. fresh meat supply was marketed in pre-packaged frozen form in 1955. But marketing authorities expect an increase to 20 percent by 1960.

. . . HOWARD J. Doggett, a native of Montana, has been named director of the new Soil Bank division at Washington, D. C. Mr. Doggett has been a lifelong farmer and rancher. He headed the Montana ASC committee in 1953.

. . . WHITE BREAD made more of a hit with consumers in a government test at Rockford, Ill., when (1) the loaf was made lighter and fluffier, (2) when the sugar content was increased from two to seven percent, and (3) when non-fat milk solids were included to the extent of four percent.

. . . FOR SHEER power, nothing beats a tropical hurricane. The typical one lasts about 10 days, liberating heat, by condensation of water, equivalent to something like 10 million atom bombs. This represents enough energy to supply all electrical needs for the United States for several hundred years.

. . . "EVERY move we have made of any importance in the department of Agriculture has had the wholehearted approval of President Eisenhower. His philosophy is my philosophy. I have never had the slightest doubt but that the president would support me in every action I have taken."—Secretary Benson at San Francisco Aug. 22.

. . . MORE THAN 15,000 Iowa farmers were covered this year by the government's crop insurance program. This was twice the number under the program in 1955. Since this upward trend is expected to continue, the Federal Crop Insurance Corporation has now opened state headquarters at Des Moines. Jesse W. Bishop of Atlantic, Cass county, is director.

Song of the Lazy Farmer

THESE days a youngster is a fool if he don't plan to go to school until he's garnered a degree from some good university. Just having brains like I have got, I've learned to my dismay, is not enough to make your farming pay in this new scientific day. What's needed now, the way it looks, is lots of know-how learned from books; you've got to know your chemistry and all about agronomy, it's apt to cost you mighty dear if you are not an engineer, success ain't likely to be won 'less you're a veter'narian.

I'm just as smart as those who've had a chance to be a college grad, but no diploma's on the wall so I get no respect at all. Whenever there are bugs to kill or some old cow requires a pill, when there's machinery to fix or some new-fangled feed to mix, Mirandy don't heed what I say, she hires an expert right away. This also means that I'm assigned the dirty jobs of ev'ry kind that take just brawn, not brains, to do and make me awful tired too. So I am thinking seriously of going back to school, by gee.

Operator of a 240-acre livestock farm in Jasper county, Iowa, 39-year-old Warren Cowman has been working at a factory in Newton since last December. At right, he leaves the farm for his regular 4 p.m. to midnight job, 20 miles away.

How about . . .

Part-time farming?

Off-farm jobs help some farmers live with drouth, price squeeze

HOW CAN you bolster farm income? Low farm prices and rising costs have brought every Corn Belt farmer face to face with that problem.

Many have attempted to solve the problem by boosting volume and working harder. Cost per unit of production is lowered and efficiency boosted as volume is increased, they reason.

But a lot of others have turned to off-farm employment—which may include about anything from selling seed corn to working 40 hours a week in a factory.

A recent Wallace-Homestead Poll indicates that about six percent of Iowa's farmers are earning one-third or more of their net income from off-farm work.

A breakdown indicates that you can find about every kind of farmer—big operators, small operators, renters, owners and young or old—doing off-farm work.

Maybe you, too, have toyed with the idea of trying to get an off-farm job. How does part-time farming work out? Let's talk with some part-time farmers.

Among them is Warren Cowman of Jasper county, Iowa. He operates 240 acres—owns 120 and rents the remainder from his father. Cowman has a herd of 35 registered beef cows. And he usually raises 40 to 60 hogs—spring and fall.

Last December, wih hogs at around $10, Cowman took a job at the Maytag plant in Newton—expecting to work only thru the winter. But he's still on the 4 p.m. to midnight job.

"We weren't broke," Cowman told me last month as we stood on the porch of his big brick home and looked across a neat barnyard toward well-kept farm buildings. "The farm's paid for. And I suppose we have $25,000 worth of equipment and livestock."

Then he explained: "But I wanted to keep it liquid. I didn't want to get in debt. That's why I went to work."

The extra money has helped. And the farm work hasn't been neglected, Cowman says. Two husky, high school age sons have been a big help.

Cowman says his employer has been considerate. He's able to get a day off work now and then to attend cattle sales, county fair, etc.

"I find you get cheated most on your home and community life," Cowman says. Both he and Mrs. Cowman have been 4-H club leaders and active in farm organization work.

"You find time to do the things that have to be done," Cowman explains. "It's the other things that you neglect."

So Cowman isn't completely sold on the lot of a part-time farmer.

"I'm still hoping I can come back to straight farming," he emphasizes. "With better weather or better prices—either one—I can do it."

Merle Dollison of Warren county, Iowa, feels much the same.

He and Mrs. Dollison cashed their savings bonds in 1951, and put about all the money they could scrape together into the purchase of their 230-acre livestock farm.

And the cost-price squeeze has been getting tighter ever since. Added to that Dollison had bad luck with a cattle feeding project in 1952.

So he started to work nights at the Firestone plant 45 miles away in Des Moines. And he has stayed with the job thru four years.

The extra income has enabled the Dollisons to keep going. But they don't recommend part-time farming.

"It's rough on the Mrs.," Dollison explains. "The responsibility of seeing after the farm and supervising the boys."

Then Dollison adds: "I don't think a man can stand it forever, either. I'm slipping. I can tell it."

Dollison has a pretty good job. Would he be better off to quit farming and settle down to a 40-hour week?

"We've been talking about it," Dollison admits. "But I was born and raised on a farm. It's still in my blood. I hate to think of giving it up."

A slightly different approach to part-time farming comes from 29-year-old Robert Gibson of Marion county, Iowa.

"Having a job helps a young fellow get started," says Gibson, who makes about $4,000 a year as an attendant at the veteran's hospital in nearby Knoxville. "It's about the only way to get started."

Gibson rents a 125-acre farm. He's milking 11 cows and raising about 10 litters of hogs per year.

"I started with a cow and a sow eight years ago," Gibson recalls.

Young Gibson's goal is to become a fulltime dairy farmer—with at least 20 cows. And with a few breaks in weather and prices, he thinks he'll soon be there.

Holding down a job in addition to farming "keeps a man busy," Gibson admits. And he usually has to make some big adjustments.

An example: For eight years, now, Gibson has been milking at noon and midnight, after he comes home from his 4 p.m. to midnight job.

Part time farming is helping a lot of farmers over the hump. But it's no easy proposition. Nor is it always easy to find a job that'll fit in with farming.

by **Dave Bryant.**

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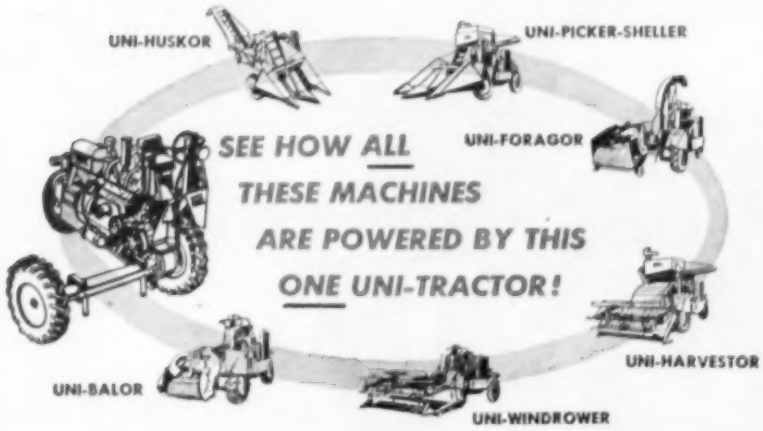

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ALGONA – Sept. 5
SPENCER – Sept. 9-15
DENISON – Sept. 18
COLFAX – Sept. 20-22
IOWA FALLS—Sept. 25
WATERLOO—Dairy Cattle Congress Sept. 29 - Oct. 5

USDA unveils rest of soil bank plan

Conservation reserve, or long rental feature, is explained

MIDWEST farmers now have the 1957 soil bank offer on wheat and also part of next year's program for corn.

At mid-August, U. S. Department of Agriculture officials disclosed payment terms for underplanting wheat allotments. And they also unveiled the second part of the soil bank program—the conservation reserve or long-time rental feature.

As expected, the 1957 wheat acreage reserve or underplanting payment will be about the same as

Walnut Grove's

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"4x4" PELLETED PHENOTHIAZINE WORMER—Tests show that worm-free cattle often make the same gains on 25% less feed. This "4x4" Wormer gets rid of worms in one day—costs less than 25c per head, doesn't throw cattle "off feed."

"4x4" VITAMIN A & D-2 SUPPLEMENT — For cattle coming off range, particularly in drouth areas, to counteract shipping effects and other stress periods, and for all stock showing a Vitamin A deficiency. In handy 5 lb. packages.

"4x4" PELLETED BEEF & CALF MINERALS — Saves up to 25c out of every mineral feed dollar, because it's in *pellet* form — won't blow in the wind, sift through cracks in feeders, or soak into the ground. Contains a scientific balance of *all* minerals known to be needed by cattle.

"4x4" BEEF SUPPLEMENTS—High energy cattle supplements with both Stilbestrol and Aureomycin — stimulate rumen activity, help cattle utilize low-grade roughage, provide extra vigor to withstand stress.

for 1956. For each acre that he stays under his allotted wheat acreage, the producer will again receive $1.20 cash (national average), or its equivalent in government grain, times the "normal" set by the local committee.

Under a new provision, the cooperating producer also will get a bonus (to be announced later) if he again underplants allotment by the same number of acres in 1958.

As was the case this year, these acres may be left idle without a cover crop, providing noxious weeds are kept down. Or they can be put into soil-conserving crops, with the government under certain conditions standing part of the cost of establishing the seedings.

However, unless the Secretary of Agriculture permits emergency grazing, the "banked" acres cannot be harvested or otherwise utilized in any way.

Moreover, the cooperating wheat producer pledges to observe any acreage limits in effect in 1957 on corn or other basic crops.

Winter wheat producers have until Sept. 21 to sign up for 1957 acreage reserve payments. The deadline for those who grow only spring wheat will be next March 15. This may be the deadline for corn and other crops, too.

Under the newly-announced conservation reserve feature, farmers in any part of the country must comply with their crop allotments, if they put land into the soil bank under long-term rental. The rate of payment, however, is much lower than for the acreage put in thru underplanting one's wheat or corn limit. It will average $10 per acre annually for the U. S. and $12 in Iowa.

However, to get this conservation payment, you do not have to cut plantings of any particular crop such as corn. But each participating farmer will have a soil bank base, representing his average acreage of cultivated crops (other than hay or rotation pasture) for the past two years.

To qualify for the conservation reserve payments, your cultivated acreage in 1957 must then be lower than this two-year average by the number of all acres put into the soil bank, including those representing underplanting of corn or wheat.

Suppose you have a 200 acre farm on which you have had an average of 150 acres of corn and other such crops during the past two years.

Your soil bank base thus will be 150 acres. Suppose you decided to put 15 acres in the conservation reserve. In 1957, under the soil bank agreement, you would hold your total area in corn and other harvested crops to 135 acres.

Now suppose that you wanted, in addition, to underplant your corn limit in 1957 by another 15 acres. Would you then have to hold your total cultivated crop area to 120 acres? No, you could merely fence off 15 acres of other cropland already standing in conserving use such as meadow or pasture.

How long is the conservation reserve rental period?

Not less than three years, if the cooperating farmer already has crop cover on the land or will put it on himself. Not less than five years, if the farmer requires government assistance in establishing the seeding or desired water conservation practices. Incidentally, the Department of Agriculture will stand up to 80 percent of such costs.

In most cases, the smallest area that may be put in will be five acres. In the case of tree planting, however, two acres may be accepted. And on small farms, committees may take as little as one acre.

As for payment limits, the total to any one individual may not be more than $5,000 per year, unless an exception is granted by the Secretary of Agriculture.

For the country as a whole, the aim in 1957 is to get at least 20 million acres into the conservation reserve.

For some reason, possibly because Iowa farmers have an outstanding record on corn allotment compliance, the Iowa goal is 900,000 acres, fourth highest in the nation.

Meantime, the Department of Agriculture is preparing to begin distribution of the 1956 soil bank payments in early September. At last count, it appeared that the national total would reach about $261 million, going to more than 550,000 farmers. As expected, owing to the lateness of the program's inaugural, about 70 percent of the sign-up occurred in the Corn Belt.

RESEARCH is the EXTRA Ingredient in Every Sack of "4x4" Feed!

EF PROGRAM

Cuts Feed Costs — Speeds Up Gains!

HERE'S THE BEEF PROGRAM that, on the basis of extensive experiments at Walnut Grove Research Farms, provides the most practical, most profitable, lowest cost feeding program for the cattleman!

By eliminating worms, by stimulating rumen activity, by using antibiotics and high levels of vitamins to compensate for stress periods, and by employing Stilbestrol to stimulate gains, this program enables the feeder to get the most beef from every pound of grain or roughage.

The foundation of Walnut Grove's better beef program is the famous "4x4" BEEF SUPPLEMENTS, among the corn belt's most popular cattle supplements. Built to be fed at the level of one lb. per head per day, they enable cattle to get fast, economical gains out of grain or roughage.

Walnut Grove's "4x4" BEEF SUPPLEMENTS provide a quick source of nitrogen and other nutrients that stimulate bacteria action in the rumen and thus increase utilization of roughage. The Stilbestrol in "4x4" BEEF SUPPLEMENTS increases rate of gain by as much as 16%, and, in combination with Aureomycin, stimulates appetite, minimizes disease and gives cattle more vigor to withstand stress.

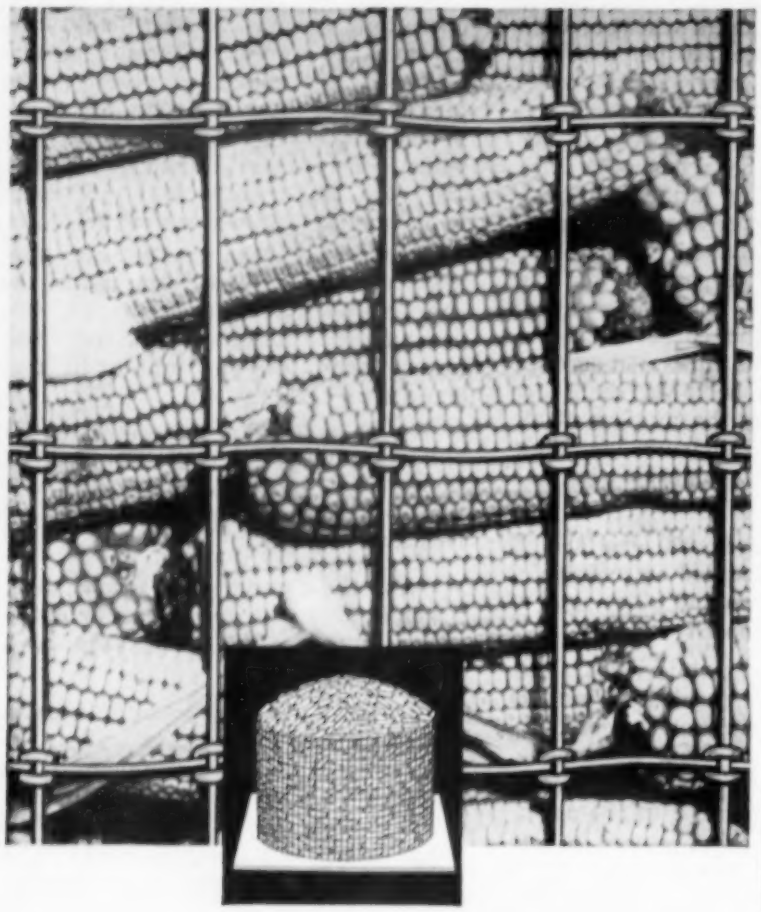
Let your local Walnut Grove representative show you how "4x4" BEEF SUPPLEMENTS and other Walnut Grove products can cut costs and improve feed efficiency.

"4x4"

Beef Supplements

with Stilbestrol plus Aureomycin

WALNUT GROVE PRODUCTS CO., ATLANTIC & WEST LIBERTY, IOWA



here's the answer to Corn Storage Problems

KEYSTONE CORN CRIBBING

It's Easy. It goes up easily – one man can install it. Just lay down a few boards for a base, splice the ends of a crib section together and shovel in the corn. Mount one section over the other to double the capacity. Put canvas or tarpaulin over the top.

It Dries Corn Faster. It does the job! Corn will dry faster because of mesh steel wire fabric. Wire doesn't make a home for rats or mice. Keystone Corn Cribbing will save you corn.

It's Low-Cost and Durable. No high-cost materials are required. It saves cost of time and labor. And it's *Galvannealed*® against rust – like Keystone's Red Brand® fence and barbed wire, it has zinc fused deep into the copper-bearing wire to make cribbing last for many years. And after temporary cribbing has served its purpose, it can be used for poultry pens, yard fencing or for wheat or oat bins using canvas lining.

Keystone cribbing is available in 12½-gauge wire fabric, 48 inches high. Each 100-foot roll, when cut into equal parts, makes two crib sections. Each section has a capacity of 350 bushels of corn. Available in 50 and 100-foot rolls.

Ask your Dealer for
KEYSTONE CORN CRIBBING

KEYSTONE STEEL & WIRE COMPANY
Peoria 7, Illinois

Makers of Red Brand® Fence • Red Brand® Barbed Wire • Red Top® Steel Posts • Keyline Poultry Netting • Gates • Bale Ties • Nails • Non-Climbable and Ornamental Fence.

Stilbestrol is now being put into the rations of about two-thirds of the cattle on feed in the U. S. Steers like those above have proved that the hormone speeds gains and cuts feed costs.

Here's more on stilbestrol

Cattle feeding tests from across the country summarized by Dr. Burroughs

STILBESTROL has proved itself to the cattle feeder. About two-thirds of all the cattle on feed in the U. S. now are getting the growth-boosting hormone in their rations.

That's an amazing development—in view of the fact that feeds containing stilbestrol have been on the market little more than 18 months.

Dr. Burroughs

Reason for the rapid change to stilbestrol feeding is obvious. The hormone has boosted gains and cut feed costs in farm feedlots just as it did in early research announced a couple of years ago by Dr. Wise Burroughs at Iowa State College.

And recent research at other college experiment stations has verified the early research done at Iowa State College.

Recently, Burroughs summarized results of stilbestrol feeding experiments at agricultural colleges across the country. Here's what he found.

On dry lot fattening rations, addition of stilbestrol boosted gains an average of 17 percent in 21 experiments at 10 colleges. Increases varied from 37 percent to only four percent.

And in those experiments, the addition of stilbestrol reduced the feed requirement per 100 pounds of gain an average of 12 percent. Feed savings varied from three to 26 percent.

Addition of stilbestrol also puts spark in growing rations for beef cattle. Gains were boosted an average of 11 percent in 13 experiments with growing rations at six different experiment stations, according to Burroughs. And feed savings averaged 10 percent in those 13 tests.

Size of cattle between 600 and 1,200 pounds makes no difference in response from stilbestrol, Burroughs has concluded. However, 400 to 600 pound calves probably won't respond to stilbestrol as much as larger cattle.

Research at various agricultural colleges has indicated that addition of an antibiotic to the rations of fattening cattle also boosts gains and reduces feed requirements. But the response is only about one-third as great as from stilbestrol.

Suppose you feed a ration which contains both stilbestrol and an antibiotic? Will gains be boosted even more than by stilbestrol alone?

You can't count on that, says Burroughs. And he points to 18 college tests in which the stilbestrol antibiotic combination was compared with stilbestrol alone.

In those 18 tests, the average response from stilbestrol plus an antibiotic was about the same as from stilbestrol alone. In about half of the tests, cattle getting stilbestrol plus an antibiotic gained slightly faster than those on stilbestrol alone. But in the other half, the cattle on stilbestrol alone gained faster than those on stilbestrol plus an antibiotic.

So Burroughs doesn't see any point in adding the antibiotic—especially when cost is considered. It costs about three times as much to add stilbestrol plus an antibiotic to a ration as it costs to add stilbestrol alone.

Is there any certain part of the feeding period in which stilbestrol gives greater response than at other times?

Not according to six Iowa State College experiments, says Burroughs.

Results may vary, Burroughs admits. But in general, stilbestrol is just as effective in the early part of the feeding period as in the latter part. And vice versa.

The number of days that stilbestrol can be fed and still get beneficial results appears to extend as long as most cattle are fed, Burroughs says.

"TARGOT® gets a cow back into production in the shortest time I know of..."

MASTITIS OINTMENT

Reports **HARRY LINDOR** STURGEON LAKE, MINN.

"Every dairyman at one time or another is faced with the mastitis problem. Two years ago I discovered that TARGOT with its 'four-barrelled'* properties was the solution to that problem.

"Other single antibiotic mastitis treatments I tried would control infection in one animal but do no good in another. TARGOT works faster, the treatment is longer lasting and it does get a cow back into production in the shortest time I know of.

"TARGOT has given me better than 90% effective control of mastitis — with other treatments we averaged 60% effectiveness.

"And with other treatments it was not unusual to have a cow out of production for 10-14 days; with TARGOT they're back in half that time. You can't beat the simplicity of the TARGOT application."

*"Four-barrelled" TARGOT contains *four* powerful antibiotics—AUREOMYCIN® Chlortetracycline, Penicillin, Neomycin and Dihydrostreptomycin for effective action against *all* the many organisms that may cause mastitis. TARGOT is available from your veterinarian, druggist or feed dealer.

Harry Lindor milks a fine herd of 37 cows and has successfully operated his 160-acre dairy farm for the past 17 years. Mr. Lindor is a good dairyman and follows modern, approved herd management practices.

Always ask for TARGOT by name ... *Stronger but gentle*

Lederle LEDERLE LABORATORIES DIVISION | AMERICAN CYANAMID COMPANY | PEARL RIVER, NEW YORK

OVER A FULL LAYING SEASON *at the Wayne Research Farm, the new higher energy Wayne Egg Feeds produced 15.4% more eggs on 17.0% less feed per dozen eggs than rations considered efficient a few years ago!*

Now you can feed for

ALL THE EGGS YOUR HENS CAN LAY!

Here's a new and different nutrition development to help your hens *lay to their full potential!*

After hundreds of feeding tests on thousands of birds, Wayne Researchers arrived at a completely new *three-way* total nutrition balance that can help you get all the eggs your hens can lay.

It is called the "P:AA:C" Ratio

P.....Protein
AA.....Amino Acids
C.....Calories

All these are delicately balanced in relation to each other to release more "energy-protein" per pound. No single ingredient is entirely responsible. It is the *balanced combination* that does the job, proved by Wayne three-way tests (chemical, biological and farm feeding). The Wayne "Ingredient Quality" Seal on every bag is your assurance of higher feed efficiency.

No longer need *feed* be a limiting factor in your egg production. Now you can feed for the long, steady laying periods that are so vital to your overall results and profits.

Your local Wayne Feed Dealer has these improved formulations for you now, in the form that meets your needs . . . whether you follow—

. . . AN ALL-MASH SYSTEM
. . . A MASH AND CONTROLLED GRAIN PLAN
. . . YOUR GRAINS BLENDED WITH CONCENTRATES

He also has special rations for *Free-Choice* feeding, for *Cage Layers* and for *Breeders*.

EGG QUALITY, TOO! Ask your Wayne Feed Dealer for valuable *free handbook* on how to get more and better eggs . . . more money for them. Also, special *Aids to Higher Egg Quality* at money-saving low prices. See him now!

SCIENTIFICALLY BRED BIRDS, *fed the Wayne Way and skillfully managed, can hit profitable new highs in your poultry enterprise.*

6-1845

WAYNE FEEDS

ALLIED MILLS, INC., Executive Offices: Chicago 4, Illinois
Service Offices: Fort Wayne 1, Indiana

Corn silage will go into this portable bunker type silo this fall on the D. W. Cowman farm in Jasper county, Iowa. Cowman, who built the silo from Iowa State College plans, explains its use to grandsons, Jim and Kenny Cowman.

To make good silage...

When is corn ready for the silo? What about sorghums? Other questions raised

SILAGE gives you the most possible feed per acre from corn and sorghum. And it's good feed!

But you don't harvest silage. You have to make it. Quality depends on how the material is handled.

So let's consider some of the questions that have to be answered in making silage.

At what stage should corn be harvested for silage?

Best corn silage is made when about 50 percent of the kernels are dented, say University of Nebraska specialists. To most farmers, that means "early dent stage."

That's when you get the best balance of total digestible nutrients and vitamin A in silage. Actually, you could get a little more feed value by letting the corn mature further. But you would lose vitamin A.

Don't harvest too early, either. Or you'll be cheating yourself on feed value. Silage from corn in the milk stage or earlier contains about 13 pounds of digestible nutrients per 100 pounds. While silage from well matured corn will have about 18 pounds of digestible nutrients.

What about sorghums? When should they be harvested for silage?

The time of cutting sorghums for silage is even more important than for corn. If cut too early, sorghums make sour, unpalatable silage.

Sorghums make the best silage when seeds are in the late dough or early ripe stage, according to Nebraska experts.

Some farmers figure sorghum is ready for the silo if just a little juice oozes out of the twisted cane when stalks are twisted with the hands.

Suppose the crop gets too mature by the time you're ready to put it in the silo?

Better add some water as you put the material into the silo. That will aid packing. Otherwise, you're likely to have some moldy silage. Mold results when air gets to the silage. And air pockets are hard to avoid when the material is too dry and fluffy.

What if the crop is damaged by frost before it reaches the right stage for ensiling?

Start putting it into the silo immediately. Every day's delay means loss of leaves. Usually, it helps to add water to silage made from frost damaged corn or sorghum.

Suppose you put frost-damaged sorghum into your silo. Is there danger of prussic acid poisoning to livestock?

Prussic acid may be present in sorghum following damage by frost. It usually occurs in the new growth of plants after the old growth has been checked. Frosted sorghum should not be fed directly to livestock. But experts say there is no danger in feeding silage made from frost damaged sorghum. If prussic acid is present, it is broken down during the fermentation process.

Is there any advantage in adding a preservative to corn or sorghum silage?

No. Not from the standpoint of getting good, palatable silage.

What about packing or tramping the silage?

Air must be kept out of the silage to insure adequate preservation. So adequate packing is important. In trench or bunker silos, the material should be packed by running a tractor over it.

In upright silos, however, the weight of the silage helps pack the material more tightly. So you can find some argument as to the need for tramping the material. Some farmers believe it is not necessary. Others tramp only the top few feet of material in the silo.

NEW COMFORT WITH OIL HEAT

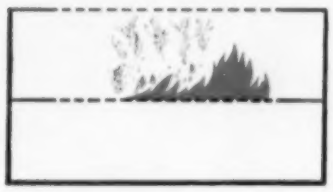
Now you get STA-CLEAN in both STANDARD Heating Oils!

New STANDARD Heater Oil with STA-CLEAN

Trade-mark

- **Burns Up to 50% Cleaner**—burns clean and steady . . . even at low flame.
- **Flows freely at low temperatures**—won't gum or deteriorate in storage.
- **Protects tank and fuel lines against corrosion**—keeps your heater working like new!

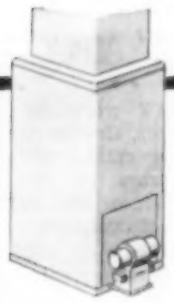
LOW-FLAME TEST PROVES CLEANER BURNING



With Ordinary Heater Oil, low-flame burning often looks like this—the flame flickers, smokes, smells . . . may even go out! Soot and sludge clog vital parts. The result is discomfort . . . troublesome cleaning . . . expensive repairs.

With new STANDARD Heater Oil with STA-CLEAN, you get steady, even burning—free from soot and odor—at low *or* high flame. Result—clean, dependable, economical comfort . . . on chilly Fall days as well as cold Winter nights.

If you have a space heater or furnace requiring a No. 1 fuel, get STANDARD Heater Oil with STA-CLEAN. Use it, too, in water heaters—chick and pig brooders—other burners around the farm and home requiring this type of fuel. *You can't buy a better heater oil!*



For furnaces and other heating systems requiring a No. 2 or No. 3 fuel . . .

STANDARD Furnace Oil with STA-CLEAN

Trade-mark

STA-CLEAN, the patented additive in STANDARD Furnace Oil, is a detergent, a rust-preventive and a preservative. It keeps filters, screens and nozzles clear—the oil fresh—the tank free from rusting. You get the steadiest, most comfortable heat possible!

FLAME COMPARISON SHOWS STA-CLEAN ADVANTAGES

STANDARD Furnace Oil with STA-CLEAN gives full-formed, intense flame with more live heat per gallon.

Ordinary Furnace Oil gives weak, smoky, distorted flame due to clogged parts and incomplete combustion. You don't get your money's worth of heat.

PROMPT, DEPENDABLE DELIVERY, TOO!

Your nearby Standard Oil Agent will give you prompt, dependable delivery of STANDARD Heater Oil with STA-CLEAN, or STANDARD Furnace Oil with STA-CLEAN, *all winter long!* Fill up now.

CALL YOUR STANDARD OIL AGENT, TODAY, and FORGET YOUR HEATING WORRIES!

You expect more from STANDARD and get it!

QUALITY PRODUCTS • FRIENDLY SERVICE • DEPENDABLE DELIVERY

JOIN THE CO-OP®
"FALL 400 PLAN"

It pays to apply fertilizer in the fall...
pays *MOST* when you use CO-OP fertilizer

AMMONIUM NITRATE

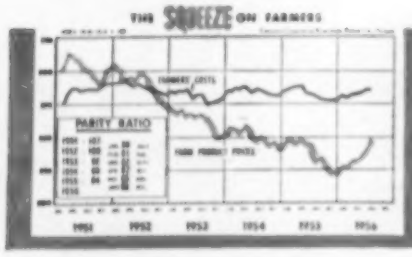
Your best source of Nitrogen in solid form... at LOW COST! Not just one, but TWO kinds of nitrogen in this CO-OP Fertilizer. Nitrate nitrogen acts fast. Ammonia nitrogen is provided for long lasting, continued stimulation to plant growth. Remember: the place to store fertilizer is in your soil... the time to do it is this fall.

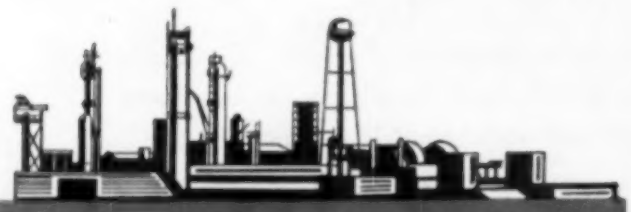
3 REASONS TO JOIN THE FALL 400 PLAN

1 **RIGHT FERTILIZER** . . . Your CO-OP manager will arrange for a soil test—to determine which analysis will make your land most productive.

2 **BEST RESULTS** . . . It's a fact: no other fertilizer of the same formula will produce better results than CO-OP Fertilizer. Highest yield is guaranteed . . . so go CO-OP!

3 **CASH SAVINGS** . . . Five big, modern fertilizer plants . . . all farmer owned and operated for the sole benefit of farmers. No wonder CO-OP cuts the cost—puts the cash savings in your pocket!





"Ease the Squeeze"

WITH THE EXTRA SAVINGS YOU GET WITH TESTED, FREE FLOWING CO-OP FERTILIZER

Consumers Cooperative Association • Kansas City, Missouri

Wheelbarrow built by John Chyba, Bon Homme county, So. Dak., has three wheels instead of one. With long bearings in the wheels, this pushes much easier than the one-wheeled variety, Chyba says.

Tips For September

Here are some timely suggestions from Francis A. Kutish, Iowa State College farm economist.

CHECK AND ADJUST your combine. You can't afford to let any more beans than absolutely necessary stay in the field.

▼ ▼ ▼

GET READY for winter chores. A Johnson county, Iowa, farmer puts his corn into temporary cribs close to where he will feed his hogs this winter. Cuts down lugging corn to the hogs.

▼ ▼ ▼

ANOTHER FARMER puts corn into movable cribs. Pulls them into fields where hogs will pasture next year. Bottom panels on the cribs are hinged. Opening the panels lets the corn roll out. Then the hogs eat "cafeteria style."

▼ ▼ ▼

LET GRAVITY work for you. Oswald Fisher, Hardin county, Iowa, built a raised granary. Corn flows from the granary bins directly into hog feeders below. Saves shoveling.

▼ ▼ ▼

TIME TO WINTERIZE. Machinery should be winterized after its last use. If your poultry house needs insulation get it done before the cold weather sets in. Push building repairs.

▼ ▼ ▼

TEST SOIL. Apply lime where needed this fall. It takes awhile to get your soil test report back. Soil tested now will permit you to get the job done before things freeze up.

▼ ▼ ▼

HERE'S A CHORE saving idea: One trip with a feed cart will save 10 to 12 trips with a feed basket.

▼ ▼ ▼

THIS IS THE time of year when spreads between Grade A and Grade B eggs are wide. Proper care of your eggs will enable you to get those grade A prices.

▼ ▼ ▼

AN UNDERGROUND cistern is a good place to store water for fire protection. A farm pond near the farmstead is another good source of water in case of a fire.

▼ ▼ ▼

KEEP FULL insurance coverage on buildings and their contents. Bring insurance up to date to cover today's higher building costs. Check regularly.

Prize winners at Illinois fair

Exhibitors of prize-winning beef cattle and swine in the open class competition at the Illinois State Fair, Springfield, Aug. 10-19 were as follows:

ANGUS — Champion bull, J. Garrett Tolan Farms, Pleasant Plains, Ill.; reserve, John J. Tolan, also Pleasant Plains. Champion female, Great Oaks Stock Farm, Rochester, Mich.; reserve, A. H. Spitzer, Pleasant Plains, Ill.

HEREFORD—Champion bull, Circle A. Hereford Farm, Morris, Ill.; reserve, Kavanaugh-Purdy, Butler, Mo. Champion and reserve females, Kavanaugh-Purdy.

POLLED HEREFORD — (Illinois exhibitors only)—Champion bull, Tjardes Farms, Gibson City; reserve, O. E. Knollenberg & Sons, New Holland. Champion female, Judith Ann Batzelberger, San Jose; reserve, Tjardes Farms.

SHORTHORN—Champion and reserve bulls, L. E. Mathers & Son, Mason City, Ill. Champion female, L. E. Mathers & Son; reserve, John Alexander & Sons, Aurora, Ill.

POLLED SHORTHORN—Champion and reserve bulls, Ray and Gerald Clodfelter, Greencastle, Ind. Champion female, Lewis Thieman and Son, Concordia, Mo.; reserve, Ray and Gerald Clodfelter.

POLAND CHINA—Champion boar, Oscar Anderson & Sons, Leland, Ill. Champion female, Arthur C. Hill, Lerna, Ill.

HAMPSHIRE — Champion boar, Ralph Wilson, Burlington, Wis. Champion female, Dean Snyder, Good Hope, Ill.

DUROC—Champion boar, Wm. Lehmann, Pleasant Plains, Ill. Champion female, Elmer Hoge, Walnut, Ill.

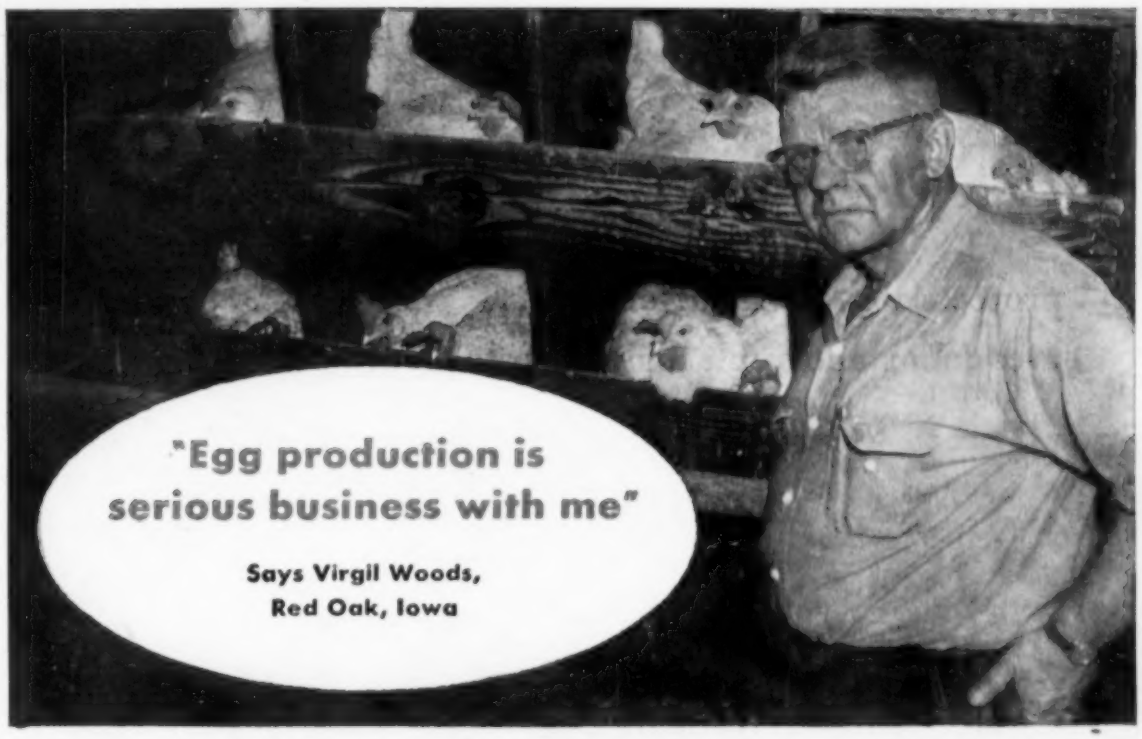
SPOTTED POLAND — Champion boar, W. V. Dowson, Springfield, Ill. Champion female, H. Wayne Caruthers, Waverly, Ill.

CHESTER WHITE — Champion boar, Chester Home Farms, Waterloo, Wis. Champion female, Roger Coats & Sons, Winchester, Ind.

BERKSHIRE — Champion boar, Ivan Sadler, Fithian, Ill. Champion female, Robert Bullock, St. Charles, Ill.

TAMWORTH — Champion boar, Harold Griffith, Wataga, Ill. Champion female, Herb Baldridge & Son, Greenup.

"Tell you what I'll do. I'll allow you $500 for your present vehicle without even seeing it."



"My return was over $325.00 per month above feed cost on 765 layers"

"I've been an exclusive Gooch feeder for the past six years. There have been instances when other feed claims sounded inviting but in every case I've gone to my records and found that I could not afford to change from Gooch to any other brand. This year, my flock numbered 765 birds and even though I didn't cull as closely as I could have, my layers averaged 70.7% production for 9 months, September through May. Total pounds of feed averaged only 4.77 per dozen eggs for the nine months. My return on egg sales of over $325.00 per month above feed cost was a most satisfactory figure to me."

Other Gooch Users Report These Satisfactory Results

G. W. Burrill, Kiowa, Kansas, says: "Using Gooch's Best 20% Layer-Breeder with grain my hens have laid an average of over 80% all winter and now in June are still above 70%."

Fieldon Hawks, Bruning, Nebraska, says: "I averaged 86.6% production last year from November through April with 212 hens fed Gooch's Best Laying Feed fortified with LayLac."

Developed and Performance Proved at Gooch's Poultry Experimental Farms

Continuous testing at the Gooch Experimental Farms brings further proof that Gooch's Best provides the balanced nutrition needed for top egg laying performance and money saving efficiency. The most recent records covering the 9-month period—September through May—show a very creditable production average of 76.7%. And with only 4.36 pounds total feed used per dozen eggs produced, this was very profitable egg production.

Use Performance Proved Gooch's Best Laying Feeds Fortified with LayLac

For month after month of heavy egg production from your layers, start them now on Gooch's Best Performance Proved Laying Feeds. All Gooch's Best Laying Feeds are fortified with LayLac, Gooch's exclusive "egg-maker" additive that helps your hens lay all the eggs they're bred to lay!

Two Up-To-Date Poultry Farms—*New advances in poultry nutrition are tested and proved under practical farm conditions at both of these Gooch Experimental Farms: (top) Gooch Experimental Poultry Farm near Lincoln, Nebr., and (below) Gooch's Juniata Experimental Farm at Manhattan, Kans.*

GOOCH FEED MILL COMPANY

LINCOLN, NEBRASKA — COUNCIL BLUFFS, IOWA
SALINA, KANSAS — DALHART, TEXAS
CHERAW, COLORADO — CHOCTAW, OKLAHOMA

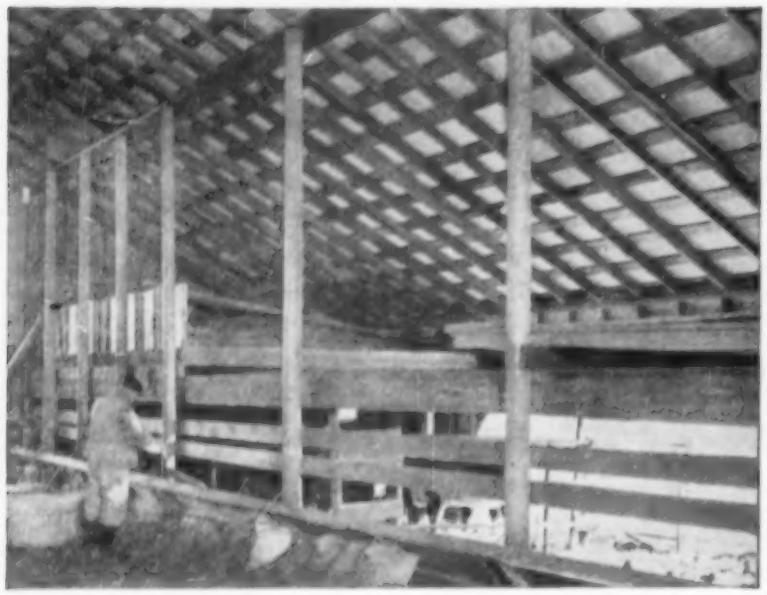
GOOCH'S BEST LAYING FEEDS — GOOCH'S BEST — WITH LAYLAC

Gooch Red Circles Are Valuable . . .
Collect and trade them for valuable merchandise.

DOW

PENTA*

protects wood year after year...
saves labor and replacement costs



POLES
for buildings

This 50' by 60' combined cattle and feed shed was built on PENTA-treated poles† on the farm of Sam Gibbs near Industry, Kansas. The structure holds 5,000 bales of hay and will feed 40 head of cattle. Poles serve as foundation, studding and roof support. *PENTAchlorophenol prevents rot and termites . . . assures a sturdy, permanent building.

POSTS
for fences

PENTA pressure-treated posts† last years longer because they're protected against termites and rot. PENTA-treated posts are clean and easy to handle, even on hot summer days. They can be painted, too, after a few months in the ground. These PENTA 6" split posts are on the farm of Burrell Lamb, Atlanta, Missouri.

† For your own protection, buy from your local dealer who handles poles and posts that meet Government Specification TT-W-571.

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Dept. PE99ON-2, Midland, Mich.

Name _____
Rural Route No. _____
Town _____ State _____

Please send me, without cost or obligation:
☐ Booklet "PENTA Pressure-Treated Farm Posts".
☐ Information on low-cost PENTA-treated pole buildings.
☐ I am interested in pole buildings for _____

you can depend on DOW CHEMICALS DOW

Service bureau

Wants To Store CCC Grain

To the Editor: I have heard that farmers could warehouse government grain. How do I go about getting the information on this?—H. R., Audubon county, Iowa.

The Iowa ASC state office says that if you plan to go into commercial warehousing of government grain, you should contact the Commodity Stabilization Service, USDA, 623 South Wabash, Chicago, Illinois.

The warehouse must be located inside the corporation limits of a city or town. You must have had warehousing experience or hire someone who has the experience before the ASC will enter into an agreement for warehousing grain.

If you want to build grain storage for your own grain, on your own farm, you can get the information from your county ASC office manager.

How Much Estate Tax On $80,000

To the Editor: How much will estate taxes be on an estate appraised at $80,000?—A Subscriber.

Federal and State taxes on an estate of $80,000 cannot be computed without additional information. There is a wide variation in the amount that would be taxable, depending upon who the beneficiaries of the estate are and their relationship to the decedent. In addition, some debts and expenses may be deducted before the tax computation is made.

There are several options, or alternate methods of handling certain of the estate proceedings, which can result in tax savings. Only an attorney, who has information as to all details of the estate assets, debts, and other matters, could give proper advice.

The above is intended to inform and not to advise. Facts may change the application of the general principles expressed. The inquirer is advised to consult a local attorney.

Answer to legal inquiries to the Service Bureau are prepared by the Public Information Committee of the Iowa State Bar Association as a public service.

Duties Of Draft Board Clerk

To the Editor: When we ask a question about the draft law shouldn't the clerk of the local board answer it? How often should the data sheet be mailed to the registrant?—S. P., Lee county, Iowa.

The Iowa state selective service office says it is the duty of the local draft board clerk to answer to the best of her ability all questions asked by a registrant. If she doesn't know the answer she can present the question to the state selective service office thru the local board.

The data sheet is mailed to the registrant not less than one time a year. It can be mailed anytime the local board thinks there's some change in the registrant's status. However, it is the duty of the registrant to inform the local board anytime any such change occurs.

No Credit For World War I

To the Editor: My husband is a veteran of World War I. Will the time he was on active duty help qualify him for social security benefits.—Mrs. R. P., Ida county, Iowa.

No. Your husband's World War I service is of no value in this respect.

Active duty in the first world war cannot be used as part of the time necessary to qualify for social security benefits. The social security law was passed in 1937, long after the end of World War I. However, service in the armed forces after 1940 can be used in determining social security benefits.

Look--No shovel!

Grain is spouted from an overhead bin into self feeder on the Mark Collier farm in Muscatine county, Iowa. Overhead bin is filled with elevator. Grain pours into feeder when slide in spout is lifted.

PICKERS OF THE CHAMPIONS

John Dakin, National 1-row Champion 1955, Missouri 1-row Champion 1955

H. Lyons, Canadian 1-row Champion 1955

E. A. White, Canadian 2-row Champion 1955

Bill Friessen, South Dakota 1-row Champion 1952, 1953, 1955 National 1-row Champion 1953

Herb Ranschau, South Dakota 2-row Champion 1954, 1955

Elvin Denman, Nebraska 1-row Champion 1954, 1955

Art Niedfelt, Nebraska 2-row Champion 1955

Chet Long, Illinois 1-row Champion 1952, 1953, 1954, 1955

Crib more corn with a NEW IDEA picker

Here are 4 reasons why you can't afford not to own a New Idea picker

1. Unmatched contest leadership since 1950. NEW IDEA pickers have won 43 Championships and Reserve Championships in 44 state, national, and Canadian contests since 1950. This record is unmatched by any other make of corn picker.

2. 17% less corn loss. The average corn loss of 25 NEW IDEA pickers in 1955 official picking contests was actually 17% less than the average corn loss of 73 competing machines.

3. Pickers of the Champions in 1955. NEW IDEA corn pickers won more state and national championships in 1955 picking contests than any other make.

4. First choice of farmers. More farmers use NEW IDEA pickers than use any other make.

Want more corn from the field? Shift to New Idea this year.

See your New Idea dealer soon and get all the facts.

Best idea yet . . . get a New Idea

NEW IDEA FARM EQUIPMENT CO., DIVISION AVCO DISTRIBUTING CORP.

Dept. 1965, Coldwater, Ohio

The Picker That Farmers Built. New 1-row pull-type NEW IDEA corn picker has greater convenience and safety, plus cleanest picking and husking. Convenience features include 30% fewer grease fittings, new spring-loaded lifting mechanism, "snap-on" PTO universal joint. Safety features include adjustment for easier, safer unplugging of snapping rolls, and permanently shielded PTO shaft. All features farmers have asked for.

Does the quickest, slickest, cleanest job of picking you ever saw. NEW IDEA 2-row mounted picker has largest husking capacity of any mounted picker. Ten 40⅝ inch husking rolls give you extra clean corn. Fits 30 different tractor models; no other mounted picker fits so many tractors. This adaptability assures higher trade-in value.

MASTER MIX CALORIZED ALL MASH LAYER **. . . paves the way to higher profits for you, Mr. Poultryman! First, you'll spend less time at feeding chores . . . more at other jobs around the farm. Your time is worth more! Second, CALORIZED ALL MASH LAYER has the famous Calorized "balance" of protein, calories and all other nutrients . . . and it's this "balance" that makes Calorized feeds tops in feed efficiency! That means you'll get more eggs . . . an average of 5 dozen more . . . from every bag!**

MASTER MIX FEEDS

See your MASTER MIX DEALER Today!

McMILLEN FEED MILLS
FORT WAYNE, INDIANA

Cattle winners at Missouri

The beef cattle show at the Missouri State Fair at Sedalia, Aug. 18-26 was characterized by strong exhibit of Angus entries. There were 33 exhibitors from Missouri, Iowa and Kansas, with a total of 177 head, the largest number ever entered at Sedalia.

Both grand champions (also senior champions) of the bull and female classes were shown by Ralph L. Smith of Chillicothe, Mo.

The junior champion bull was shown by Rose & McCrea, Maysville, Mo. Winn-Larr Farm of Olathe, Kan., had the junior champion female, a junior yearling heifer.

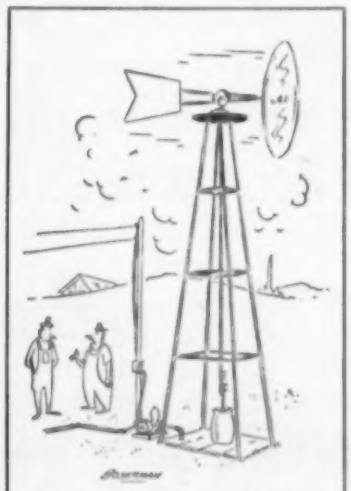
Shorthorn exhibitors from Missouri, Iowa, Texas and Oklahoma brought out 72 head. J. A. Collier of Fletcher, Okla., had both top champions in the bull classes. Schreiber Farms of St. Joseph, Mo., led the female entries with a two-year-old. The junior and reserve grand champion was shown by Collier.

In the Hereford division, Edg Clif Farms of Potosi, Mo. and Kavanaugh-Purdy Ranch of Butler, Mo. split honors rather evenly in an all-Missouri show. The bull championship and the reserve female championship went to Edg Clif. Kavanaugh-Purdy had the female champion and the reserve bull placing.

The Double E Ranch of Senatobia, Miss., swept off the bull championship and both reserve championships in the Polled Hereford classes. Top female was shown by Halbert & Fawcett, Miller, Mo.

The Polled Shorthorn show was dominated by Lewis W. Thieman of Concordia, Mo., and Alpine Farms, Lexington, Mo. Both top female championships and also the grand championship on bulls went to Theiman. Alpine Farms showed the junior and reserve grand champion bull.

TWO DEVELOPMENTS made it possible to have sows farrow pigs any month in the year. One is the availability of electricity, heat lamps, etc. The other is nutritionally complete feeds that will keep pigs healthy in dry lot or on a cement floor. Now you can time your farrowing so as to have market weight hogs when prices are highest.



"Maw says it's old-fashioned to churn these days. But I still have that craving for good old country butter."

Outside stuff

BIG ADVANTAGE of picker-sheller-dryer operations is the reduction of field loss due to earlier harvesting of grain. That has become evident as more of the picker-shellers and dryers come into use.

Lyle Huffman of Chickasaw county, Iowa, used his picker-sheller and dryer for the first time last year. And he was amazed at the reduction in field loss.

"I turned my hogs out in the cornfield to clean up," Huffman says. "I thought they were getting hungry. So I looked around. They were hungry. There wasn't much corn out there."

• • •

PASTURE was short all summer on Merle Dollison's farm in Warren county, Iowa. But Dollison's herd of 23 beef cows and calves looked good in August.

"I keep mineral in front of my cows all the time," Dollison told me. "I think that helps them get along on less feed."

Then Dollison continued: "It doesn't cost much. And in drouth years, they need it worse than any other time." Dollison's herd was licking away at its fourth 50-pound mineral block of the summer. Salt was also available.

• • •

A LOT OF farmers are setting new litter-average records for themselves since changing to farrowing stalls or crates.

Among them is Chuck Johnson of Howard county, Iowa. He put farrowing stalls in the new hog house which he built last year. And he had 123 four-week-old pigs from 13 sows when I visited his farm last month.

In the last few years, I've talked with dozens and dozens of hog farmers who have used farrowing stalls. And I've found only one man who changed back to pen farrowing. That, in itself, is pretty good evidence that the stalls save more pigs and make handling new litters easier.

—Dave Bryant.

"And when we're married, Gwendolyn, you can have any tractor or implement that your little heart desires."

Protect Yourself Against Higher Prices In Farm Lubricants Next Spring:

Use this handy form to figure your needs . . . then call your Skelly Tank Man or Jobber now about Skelly's Advance Order Plan:

	Amt. Used For 1956	Extra For '57	Total Needed For 1957
Skelly Supreme Motor Oil			
Fortified Tagolene H. D. Motor Oil			
Tagolene Transmission Oil			
Tagolene Multi-Purpose Gear Lubricant			
Skelly Supreme Multi-Purpose Grease			
Tagolene Alube "D-O" Chassis Grease			
Tagolene Calube "F-4" Water Pump Grease			
Tagolene Solube "B-3" Wheel Bearing Grease			
Other			
Other			
Other			

Use the handy form above to estimate your lubricant needs for next year, both motor oils and greases. Use this year's requirements as a guide, but be sure to allow for additional equipment or increased use of present machinery. Double-check your estimate and make sure that it is complete.

Next, call your Skelly Tank Man and order your lubricants for 1957. Specify delivery next Spring on your Advance Order (any time up to April 30, 1957).

You pay nothing until delivery, yet if prices are higher next Spring, you pay only today's low prices. If prices go down, you pay the lower price in effect at delivery time. Either way, you save money! Order now from your Skelly Tank Man.

Choose From These Skelly Products, Backed By The Strongest Guarantee in the Oil Industry!

Skelly Supreme Motor Oil, world's lowest consumption motor oil, has special detergent-dispersive additives to keep engines clean. Resists engine heat, flows freely in cold. Gives less engine wear, longer life.

Skelly Tagolene HD Motor Oil, "the" low wear rate motor oil, has special detergent-dispersive additives to carry away sludge, acids, lacquer, and to protect against rust and corrosion. High flash and fire points mean low consumption.

Skelly Fortified Tagolene Greases offer you a wide choice of special purpose lubricants, each one absolutely tops in its class.

Skelly Supreme Multi-Purpose Grease combines high heat resistance *and* high water resistance! Works equally well for chassis, wheel bearing, water pumps, universal joints.

SKELLY

Call Your SKELLY TANK MAN TODAY!

Skelly Oil Company, P. O. Box 436, K. C., Mo.

There's "wool over your eyes" if you fail to feed your flock Morton T-M Salt

Morton TRACE MINERALIZED Salt for more wool, big lamb crop

MORTON T-M SALT helps you raise more lambs to market weight. Two or three extra lambs brings in enough to pay for about a ton of T-M Salt. Therefore, it is very low-cost livestock insurance.

College feeding trials conclusively prove the need for trace minerals in the rations of all livestock. Most farm lands are short of one or more of the essential trace minerals—**cobalt, iodine, iron, copper, zinc** or **manganese.** So feed Morton T-M Salt the year 'round to guard against mineral deficiencies . . . assure yourself of *more* milk, *more* meat, *more* wool and a higher return from each feed dollar.

The cost of Morton Trace Mineralized Salt over ordinary salt is less than 1¢ per animal per week. Feed it free choice, even if you feed a major mineral supplement. *You know they need it. They know how much.*

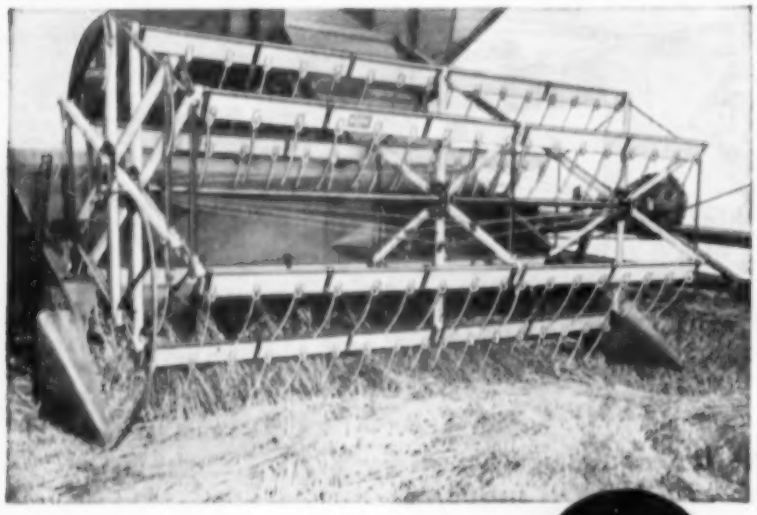
Always order Morton T-M Salt. It is the only kind you should use.

Less than ¾¢ more — *Less than ½¢ more* — *Less than 1¢ more* — *Less than ¼¢ more*

MORTON TM TRACE MINERALIZED SALT

At your feed dealer's—bags or blocks.

HUME REEL



The Pickup Reel with GATHERING Action

SAVES MORE BUSHELS

Here's the real champion in every field test . . . the strongest reel made!

A Hume Pickup Reel does for any harvester what an ordinary reel cannot do!

Picks up down, tangled, lodged or normal standing grain, soybeans and seed crops impossible to save any other way.

Make your harvester a top performer with a smooth-feeding HUME Pickup Reel!

- Eccentric action keeps bats vertical — reduces shattering.
- Finger-like tines reach down — gather the crop evenly.
- Hardwood six-bat construction for smooth operation.
- Bat and tine pitch easily adjusted.
- Designed for tough harvesting. (Special heavy-duty slip clutch available.)
- Models to fit all harvesters and swathers.

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HUME

Stocked and Distributed by:

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2151 Dean Avenue
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Hickenlooper leads with 40 percent of farm votes in poll.

Evans has 30 percent of farm votes in race for U. S. senator.

Voting on U. S. senator

Undecided votes, now 30 percent of total, may swing senatorial election

IF YOU want the key points in the campaign for U. S. senator in Iowa, here they are:

1. Hickenlooper (Rep.) is in the lead, with 40 percent of the total. Evans (Dem.) has 30 percent.
2. The undecided voters, with 30 percent, can swing the election if and when they finally make up their minds.
3. Only about half of the voters interviewed seemed interested enough to be likely to go to the polls.
4. Of those who named a choice, 24 percent said: "It doesn't make much difference to me who wins."

In other words, it's a slow campaign. The prairies aren't afire. This survey was taken before the national conventions. Things may pick up now.

How do Eisenhower voters of 1952 and Stevenson voters of 1952 line up for Hickenlooper and Evans? Here is the breakdown:

	Rep.	Dem.
1. Hickenlooper	52%	8%
2. Evans	16	72
3. Undecided	32	20

More Democrats have made up their minds than Republicans, but there are plenty of uncertain votes in both camps. As usual, men are more certain about how they're going to vote than women. Younger voters show the greatest number of "undecided."

Two years ago, Senator Gillette (Dem.) ran a close race against Congressman Martin (Rep.) Is Evans holding the Gillette voters?

So far, 31 percent of the 1954 Gillette voters say they aren't sure how they'll vote. And 20 percent have gone to Hickenlooper. But of Martin's 1954 voters, 20 percent are still on the fence and 10 percent have gone over to Evans.

If the issue of farm income becomes the most important in the senatorial campaign, Evans may gain. When farm men were asked which party was likely to do better in raising farm income, 41 percent voted for the Democrats and 14 percent for the Republicans. Young farm men were 44 percent for Democrats on this issue.

As everybody knows, not all the eligible voters go to the polls. So one task of a survey is to try to sort out the interested voters, the ones who are likely to take the trouble to cast a ballot.

This early in the campaign, only about half the folks interviewed could be classed as "likely voters." This should improve later. Probably around 70 percent of Iowa farm adults will vote November 6.

At this time, however, the likely voters divide as follows for Hickenlooper and Evans:

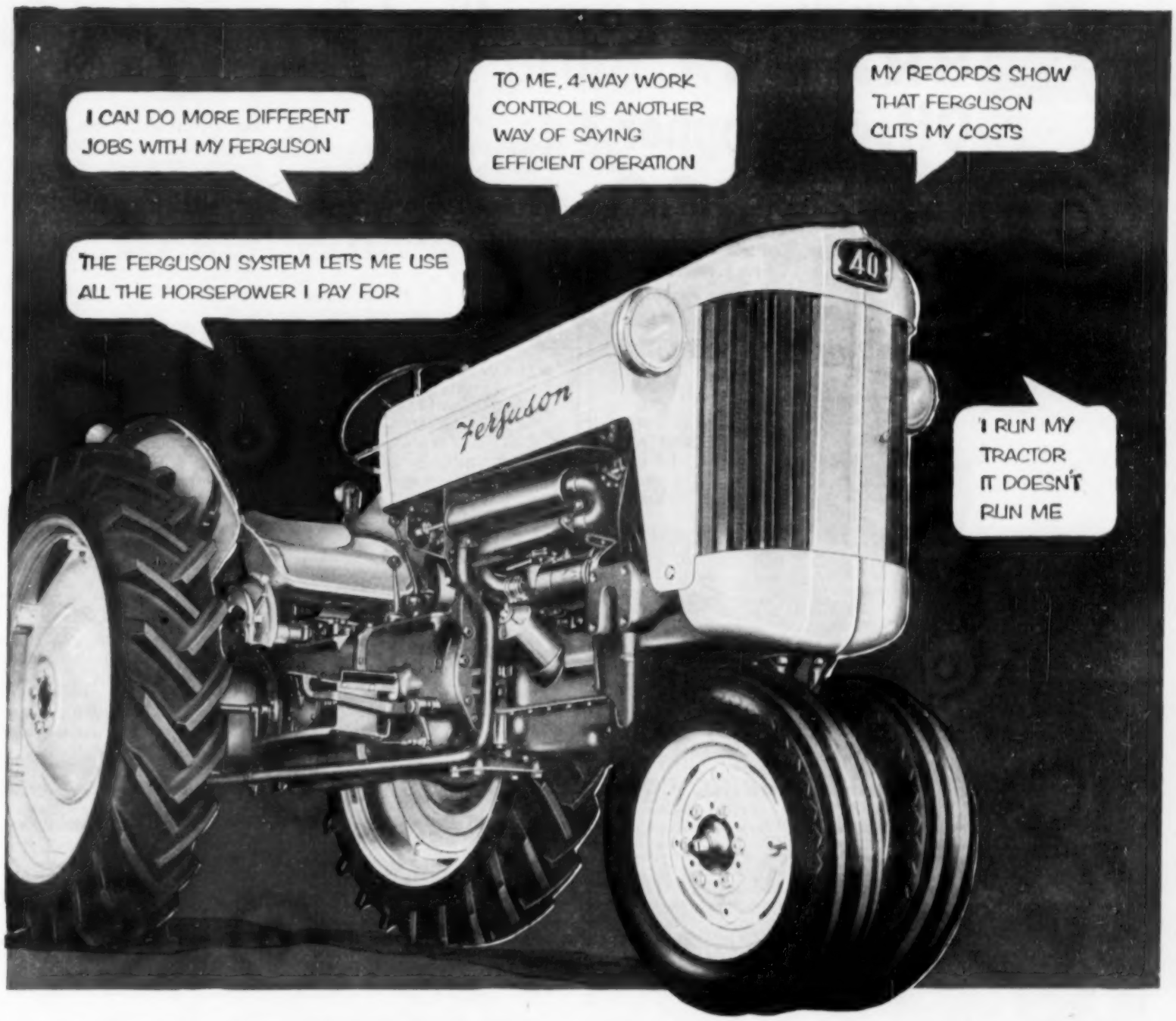
1. Hickenlooper (Rep.)	46%
2. Evans (Dem.)	42
3. Undecided	12

These figures can shift rapidly as the campaign warms up. Things to watch for:

1. How younger voters, with a big undecided vote, will finally line up.
2. How women, also with a big undecided vote, will go as election nears.
3. What percentage of Republican voters will get into the "likely voter" class. And what percentage of Democrats. Apathy among either group could make some startling changes in results.

The next Wallace-Homestead Poll will undoubtedly show more farm people in the "likely voter" class. But whether the new ones will be for Hickenlooper or Evans can't be told until hundreds of farm people are interviewed this month.

A WALLACE-HOMESTEAD POLL



ALL GOOD REASONS FOR BUYING FERGUSON

Because each helps you keep your rising production costs in line

FERGUSON "35". The outstanding lugging power, maneuverability and easy handling of this popular tractor have already been proved on thousands of farms. Low profile and extra-short turning radius.

FERGUSON "40". A new all-purpose Ferguson Tractor featuring completely new styling and pads for mid-mounted equipment. Slightly longer and heavier than the "35", but with same 4-Way Work Control features.

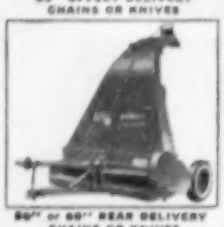
4-WHEEL "HI-40". For farmers who want the stability of a 4-wheel tractor along with higher crop clearance. As in all Ferguson Tractors, power-spaced rear wheels are available for added convenience.

SINGLE-WHEEL "HI-40". A high-clearance Ferguson for vegetable growers and other farmers who work close-spaced rows with mid-mount cultivators. Power steering is available on all Ferguson Tractors.

Ferguson

Racine, Wisconsin

60" OFFSET DELIVERY CHAINS OR KNIVES


60" or 60" REAR DELIVERY CHAINS OR KNIVES

60" OR 60" SIDE DELIVERY CHAINS OR KNIVES

60" or 60" BASIC PULVERIZER CHAINS OR KNIVES

FOR ECONOMICAL DRY LOT FEEDING AND SILAGE MAKING . . .

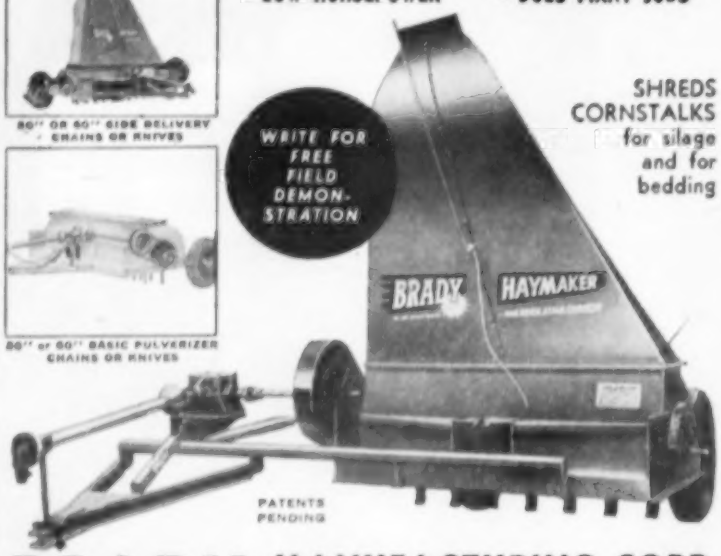
BRADY Offset Chopper

BIG 60" CAPACITY Priced Under $900 F.O.B. FACTORY

- BIG CAPACITY
- LOW REPAIR COST
- LOW HORSEPOWER
- OFFSET CHOPPER
- FINER CUT
- DOES MANY JOBS

WRITE FOR FREE FIELD DEMONSTRATION

SHREDS CORNSTALKS for silage and for bedding



PATENTS PENDING

BRADY MANUFACTURING CORP.
S. E. 30th & Granger • Des Moines, Iowa
Manufacturers of "More-For-The-Money" Farm Machinery

"I cut pulpwood worth $2,365 IN 23 DAYS" Homelite Chain Saw

Earl Rawlings, of Prince Frederick, Maryland has a 145 acre woodlot on his 225 acre farm. He also has a fast-cutting, dependable Homelite Chain Saw. Last year, *in just 23 days*, he harvested 215 cords of pine for pulp which he sold for $2,365.00. Over and above all costs . . . for skidding, maintenance and depreciation of his saw . . . Mr Rawlings made a clear profit of $2,123.00 which he wisely put into repairs on his farm.

Use a Homelite for profitable production cutting

Cash in on your woodlot, the Homelite way. It's not only good business, it's good farming. And to do it most profitably, select one of the 4 lightweight, power-packed Homelite models that's 'just right' for your needs. Take the 19 pound Homelite EZ for example . . . its 5 full horsepower lets you cut through 8" oak in 5 seconds, 18" pine in 14 seconds . . . quickly brings down trees up to 3 feet in diameter.

4 models available 3½ to 7 horsepower 19 to 29 pounds straight blades, bows, brush cutter and clearing attachments

HOMELITE — *a division of Textron Inc.*
3309 RIVERDALE AVENUE, PORT CHESTER, NEW YORK

☐ Please call me about a free demonstration. ☐ Please send me further information.
☐ Please send me name of nearest Homelite Dealer.

Name .....
Address .....
Town/City ..... County ..... State .....

Workday pointers

BALBOA RYE seeded when corn is removed for silage will make late fall and early spring pasture. Seeding of 1½ to two bushels per acre is recommended.

▼ ▼ ▼

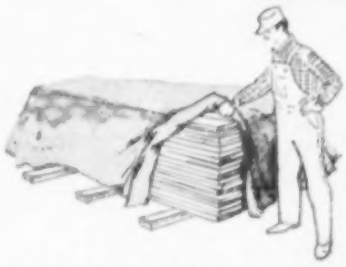
SUDAN GRASS is very hard to to cure for hay. If you try it, wait until first heads appear. Then hope for several days of dry windy weather.

▼ ▼ ▼

BARNYARD MANURE will bring greatest returns if spread on land that will be in corn next year.

▼ ▼ ▼

IF LUMBER is piled on the farm to be used in a building, it should be covered with canvas



or other covering. Wet lumber is hard to saw, and it will shrink, perhaps leaving cracks in the building.

▼ ▼ ▼

COMMON HOUSE FLIES may migrate as far as 20 miles, scientists say. But your greatest trouble from flies will come from the ones hatched on your own premises.

▼ ▼ ▼

GAS TAX REFUND from the U. S. can be claimed by the farmer on fuel used on his farm by custom operators, but the operator can't claim the refund himself.

▼ ▼ ▼

SELECT PULLETS carefully at housing time. Then you won't have to cull excessively thru the winter.

▼ ▼ ▼

CULL THE PULLETS that are small for their age. Also the ones with retarded comb development, pinched backs or flat breasts, pale shanks, irregularly shaped pupils or gray eyes. And of course all birds that show any sign of disease.

▼ ▼ ▼

HAND-FED CALVES can be turned on pasture at four months of age and fed silage at six months.

▼ ▼ ▼

HOME MIXING of salt in pig feeds can be dangerous, says Dr. R. M. Thomas of the Universi of Illinois. Too much salt will kill pigs. Pig feed should not contain more than one percent salt, and mixing should be very thoro.

▼ ▼ ▼

OLDER CANES of climbing rose bushes should be cut off at ground level when flowering is over.

▼ ▼ ▼

SOME LOSS in feed value occurs if corn is harvested before it is fully dented.

TOO MUCH OIL is bad for electric motors or generators. Engineers recommend only a few drops on the bearings once a month.

▼ ▼ ▼

DO OAK LEAVES left on the ground make the soil acid? No, say Ohio agronomists. Neither will pine needles, moss, oak sawdust, apple pumice or most other plant materials.

▼ ▼ ▼

ONIONS ARE MATURING when tops fall over, say Purdue University horticulturists. When tops are dry, pull the onions, and store in a cool, dry place.

▼ ▼ ▼

RATS AND MICE in the corn when you shelled? J. M. Ploof of Woodbury county, Iowa, says he placed 16 inches of galvanized tin all around his corn crib at the bottom before 1955 corn was put in. No rodent damage was found in the corn.

▼ ▼ ▼

HEAVIEST beef calves at weaning time can be expected from cows four to nine years old. Calves from younger or older cows will be around 30 pounds lighter at weaning, according to Texas experiments.

▼ ▼ ▼

THISTLES on land you will fall plow? Spray the thistles first with 2,4,D. Wait a while for the weed killer to do its work, then plow the land.

▼ ▼ ▼

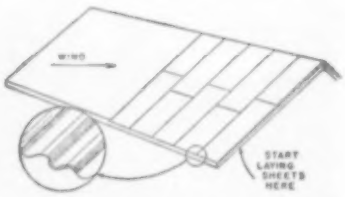
PIECES OF STEAK, or other meat to be frozen in one package should be separated by two thicknesses of cellophane, wax paper or vegetable parchment. Then they won't stick together.

▼ ▼ ▼

FEEDLOT RECORD of calves is one of the very best indications of the value of a bull. Keep the sire of fast gaining calves just as long as you can. Fast gaining ability is inherited.

▼ ▼ ▼

WHEN LAYING metal roofs, start at the end of the building away from the prevailing wind



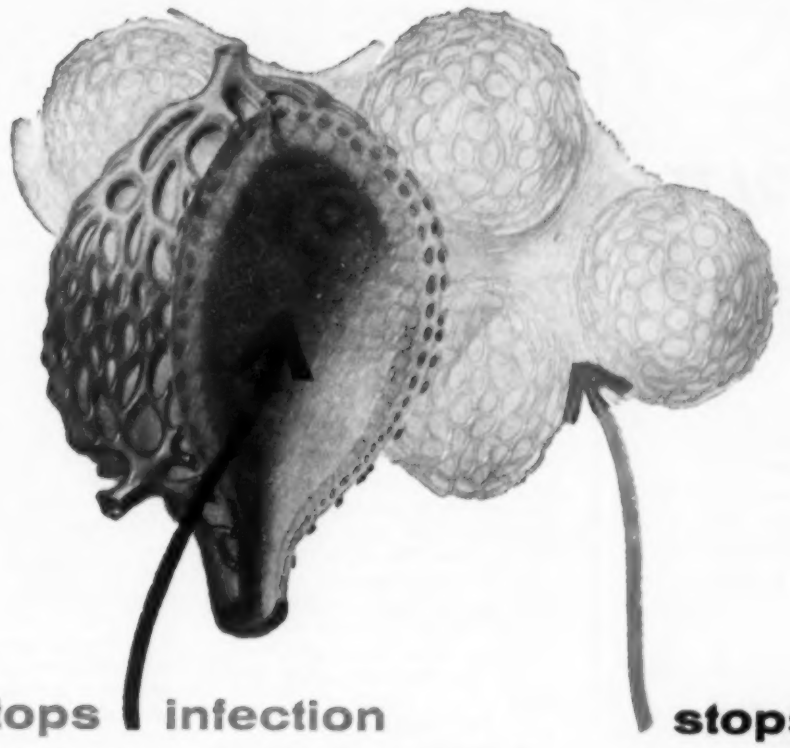
direction. Lap sheets as shown in the illustration. Then wind will not blow rain or snow under the laps.

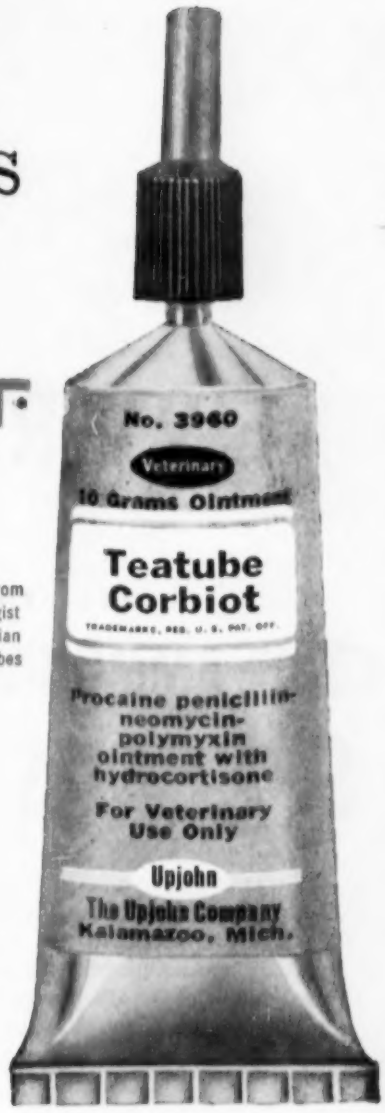
▼ ▼ ▼

FOR PIGS ON PASTURE, weighing 40 to 70 pounds, a 6-2-2 ration is recommended by Indiana hog specialists. That's 60 pounds ground shelled corn, 20 pounds ground oats, or other small grain, and 20 pounds protein supplement fortified with vitamins and antibiotic. After 75 pounds, a 7-2-1 ration is recommended, or 70 pounds ground corn, 20 pounds ground oats or other small grain and 10 pounds protein supplement.

Protect dairy profit with *greatest advance* in mastitis treatment in 9 years!

new! Teatube®-CORBIOT®





Available from your druggist or veterinarian in 10 Gm. tubes

stops infection

CORBIOT attacks infection inside the alveolus, where the milk is made. There are thousands of these tiny glands throughout the udder. To reach infection inside each alveolus, a mastitis remedy must:

1. be able to mix with the milk;
2. have strong germ-killing action;
3. be gentle to these sensitive tissues;
4. be able to attack *any* of the germs usually found in mastitis.

Corbiot meets all these specifications —and more!!!

This combination of *3* antibiotics (neomycin, polymyxin, and penicillin) *with hydrocortisone* in the special milk-miscible suspension offers a new way to protect milk production when mastitis strikes.

stops inflammation

CORBIOT lessens inflammation by the action of HYDROCORTISONE on the tissue between the alveoli. Hydrocortisone is the most powerful of the natural anti-inflammatory hormones.

When the udder tissue is inflamed by the presence of mastitis, there is interference with the flow of blood through the small blood vessels to each alveolus. Thus, the raw materials of which milk is formed do not reach the alveoli in normal amounts, and milk production tends to fall off.

The hydrocortisone in CORBIOT acts to relieve this inflammation and thereby helps to preserve milk flow. Also, by relieving inflammation, CORBIOT helps prevent the formation of scar tissue, which is the cause of the knots and lumps found in permanently damaged quarters.

*Corbiot is the **first** mastitis product combining* hydrocortisone *and* triple antibiotics *to stop **both** the infection and inflammation of mastitis.*

new! Teatube®-CORBIOT®

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Your veterinarian is your first line of defense against animal diseases. Consult him in regard to animal health problems

Veterinary Sales Department
THE UPJOHN COMPANY
Kalamazoo, Michigan

NEW GRANULE

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(HIGH DENSITY)

CSC AMMONIUM NITRATE

SPREADS EVENLY

These low-moisture granules always flow freely, spread evenly, and stay put after spreading. When you use nitrogen to maintain top yield per acre, CSC Ammonium Nitrate is an excellent source. A minimum of 33.5% nitrogen is guaranteed — half is nitrate nitrogen for rapid early growth, and half is ammonia nitrogen for steady, continued growth.

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photograph of *new granule* CSC Ammonium Nitrate shows the exclusive, controlled particle size. Granules are specially coated to prevent lumping or caking. Your hopper holds more nitrogen with *new* high density granules. Storage is guaranteed under normal conditions for one year. Sturdy, easy-to-handle, 6-ply bag keeps granules ready to flow freely.

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NITROGEN the Heart of the Harvest

Write Today For Informative Literature Offered In The Ads.

Weigh-a-day a-month

New program will enable every dairyman to get low-cost milk production records

WHICH cow should you cull? Which heifer should replace her? How much feed should Ol' Bess get? What about that young cow in the next stall?

Want to take the guess out of answers to those questions? Then you need production records. And there's help for you in the new "weigh-a-day-a-month" program that's being launched this fall in Iowa.

The new progam should enable any farmer who milks cows to have a helpful set of production records on his herd, explains Floyd Arnold, dairy husbandry specialist at Iowa State College.

Attractive features of the weigh-a-day-a-month program include simplicity and low cost. Here's how it works:

On one day of each month, you weigh the milk produced by each of the cows in your herd. You put those weights on a record sheet, and mail it to your county extension director.

Then you'll receive a report showing the milk record of each cow for the month, the lactation record to date, the monthly herd record and the year-to-date herd total.

It's that simple. There are no milk samples to fool with—no cow tester to bother you.

And dairy husbandry experts think the new plan can be helpful. In fact, it is quite similar to a low-cost record keeping system which has been used in Illinois for the last two years.

Now, what about the cost? Arnold is guessing that the weigh-a-day-a-month program will cost you about five cents per cow per month. That money will be used to pay for tabulating and evaluating the records.

How do you get in on a deal like this? See your county extension director. Within the next few weeks, he'll have the necessary information and record sheets. Arnold expects the weigh-a-day-a-month program to be rolling by late fall.

Dairy production records, of course, are not new. They are a key to efficient, profitable dairying. They're a sound basis for culling low producing cows, selecting replacements and feeding according to milk producing capacity.

That has been demonstrated by 50 years of cow testing thru Dairy Herd Improvement Associations.

But relatively few dairymen are reaping the benefits of DHIA. This year, only 3,000 Iowa dairy farmers are testing for production.

Why so few in DHIA? Bulk of the dairy farmers probably are discouraged by the cost and bother of DHIA testing. The cost may be 50 cents per cow per month under DHIA—about half that under the newer owner-sampler system.

The weigh-a-day-a-month program is not a substitute for DHIA. Definitely not, Arnold emphasizes. It does not give the dairyman a complete cow test. It will not have official status—from the standpoint of proving bulls, etc. So most DHIA members probably will want to continue DHIA testing.

Purpose of the weigh-a-day-a-month program is to give the small dairyman or the grade herd owner a simple, practical, low-cost means of keeping milk production records.

And no dairyman doubts that it pays to know how individual cows in the herd are producing. Latest DHIA records show that a cow producing 5,000 pounds of milk per year returned an average of only $136 over feed cost.

In contrast, a cow producing 11,000 pounds of milk annually returned about $272 over feed cost.

"So it grows hair on a billiard ball. . . . How often can you use a hairy billiard ball?"

AMERICA'S GREATEST HYBRIDS

. . . plant them!

LAMAR RATLIFF, who grew the historic 304 bushel yield last year using a regular Funk's G-Hybrid.

IOWA farmers find that FUNK'S-G SETS the PACE in every county in Iowa

From Allamakee to Fremont, from Lyon to Lee, Funk's G-Hybrids are setting new standards of yield and quality.

Farmers everywhere are finding that Funk's-G is a dependable corn every year, but becomes really great when the growing gets tough. Funk's-G is winning its share of contests too (See below).

And even more important, Funk's-G is winning the greatest contest of all—the one going on in Iowa cornfields right now—by assuring every farmer a full-field-yield.

Here is what just a few of the farmers who entered—and won—their local Master Corn Growers Contest using Funk's G-Hybrids have to say:

JAMES RUOPP, of Marshalltown, placed first in the Marshall County Master Corn Growers Contest with a yield of 114.4 bushels per acre of Funk's G-75A. Says James, "I never had a corn grow so fast."

MELVIN M. JENSEN
Ionia, Iowa
"Funk's G-30A took top yields for me in the Bremer County 5-Acre Yield Contest for 1955. Funk's G-30A produces sound, high quality grain and seems to be able to take dry weather better than anything we have grown."

GORDON S. KEITH
Delhi, Iowa
"I entered the Official 5-Acre Yield contest in Delaware county with Funk's G-16A and took first place. I like the way this G-16A stood up and held its ears. I am planting all Funk's-G this year and I hope to get another winner."

MYRON MERCHANT
Keystone, Iowa
"I entered the Benton County Yield Test with Funk's G-75A in 1955. I took first place with this entry. Of all hybrids I have ever used, Funk's G-75A is the one that comes closest to being the perfect all-around hybrid for me."

NORMAN PITSTICK
Humboldt, Iowa
"G-75A was the hybrid that took first place in the Humboldt County Five-Acre Master Corn Growers contest in 1955, with a yield of 107 bus. per acre. I have 12 bus. of G-75A planted this season. The most drouth resistant corn I had last year."

Funk Bros. Seed Co.

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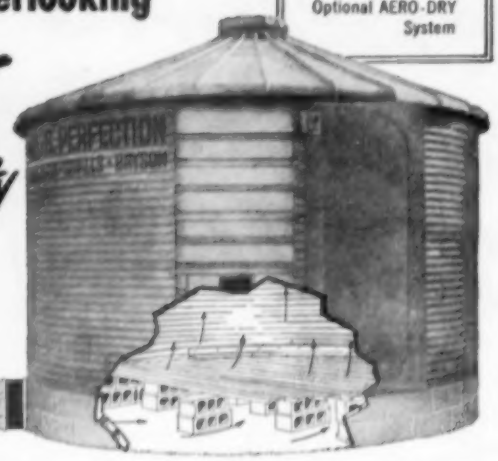
Are You Overlooking This PROFIT Opportunity?



Here's How Some Farmers Saved Up To 48¢ Bu. On Feed Corn Last Year!

A man not only has to be a good farmer but he must also be a good businessman these days to realize the *greatest profit return* from his operation. This is particularly true of those who raise grain crops primarily for their own use as livestock feed!

Look What Happened on Corn in '55

For example, let's take the farmer who raised corn last year to feed out his own stock through the winter. If, instead of feeding his *own* corn, he had taken a Commodity Credit Corp. loan on his crop and had shelled and stored it in BS&B PERFECTION GRAIN BINS equipped with a PERFECTION AERO-DRY SYSTEM, he would have received $1.58 per bushel for it. At the same time, because of low market prices at harvest time, he could have bought his neighbor's corn for his own feeding use at only $1.10 a bushel! This price differential of 48c a bushel represents a substantial *additional profit* that he could have made on his feeding operation! This is precisely what many farmers *did* in 1955!

"But My Money Is All Tied Up!"

Sure — you've got a lot of money tied up in your herd, your land, your buildings, your machinery, your crop, etc.! Maybe you feel that you can't afford to buy the necessary PERFECTION BINS and AERO-DRY SYSTEM this year, and your neighbor's corn crop too! Well here's how you can!

First, get an ASC self-liquidating loan to buy the necessary PERFECTION BINS and AERO-DRY SYSTEM under these liberal terms:

PERFECTION GRAIN BINS	PERFECTION AERO-DRY
Up to 80% Loan	Up to 75% Loan
Straight 4% Interest	Straight 4% Interest
5 Years to Repay	4 Years to Repay
100% Tax Write-Off Spread Over 5 Years	100% Tax Write-Off Spread Over 5 Years

Then, get a CCC loan on the crop *you* raise, which should amount to substantially more than the *cash* price of corn at harvest time. With this money, you can then buy your neighbor's crop (or go onto the open market) for the corn you need for feeding purposes. Your PERFECTION equipment will soon pay for itself, and the *extra* profit you make on your feeding operation is money in *your* bank account!

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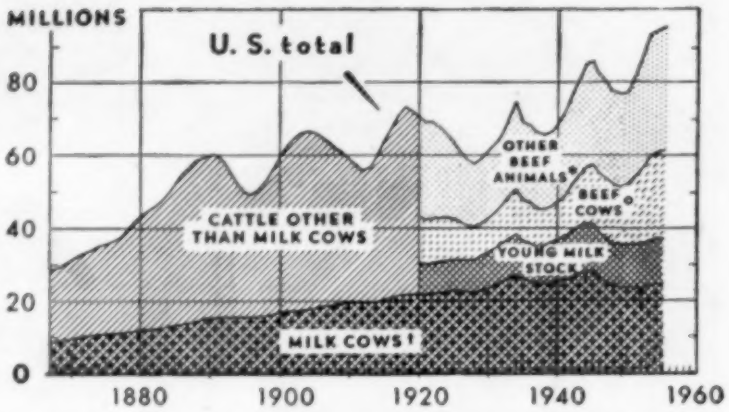

Cattle production cycles since 1880 are shown here. We're now increasing cattle numbers in the sixth cycle. Note that cattle increases in the last seven years have been almost entirely in beef cattle.

Cattle surplus built up

Big numbers on farms and ranches are threat to buyers of feeder cattle

IF YOU'RE buying feeder cattle this fall, there are some facts about the cattle situation that should be considered before you make any cash offers.

You may not realize that cattlemen have far outdone hog raisers in increasing production.

Cattlemen and hog raisers were both at the peak of their production cycles last year. Cattle slaughter was 52 percent above slaughter in the low year of the cycle. Hog slaughter was only 14 percent above the low year of the last 10.

And the greater increase in cattle slaughter doesn't tell the whole story. There's a basic difference in the way hog raisers and cattlemen have handled their production.

Hog raisers sell nearly all of their production each year. They take their losses on each pig crop produced.

But cattlemen have increased cattle numbers on farms and ranches while increasing slaughter. They've backed up a surplus, or reserve of cattle.

Let's look at the increase of beef cattle in the country as shown by the annual inventory of livestock January 1 each year.

Beef cattle on farms last January 1 totaled 62.6 million. That was an increase of 50 percent from the 41.6 million head in 1949, which was the low year in the present cattle production cycle.

Steers one year old or older on farms and ranches January 1 were at a record total of 9.6 million head. That was an increase of 32 percent over 1949 figures.

The change in number of beef cows is still more striking. The 25.8 million last January 1 was an increase of 62 percent over 1949 figures.

The total calf crop for this year—beef and dairy—is estimated at 43 million head. That's an increase of 28 percent over seven years ago.

And the total of cattle and calves last January 1 was 97.5 million head—about one million above one year before and 27 percent above seven years ago.

It's evident that this seven-year cattle increase can't continue indefinitely. One of two things will happen:

1. Cattle population will be stabilized at the present level. That would mean a moderate increase in cattle slaughter rate as cattle owners began to sell as many as produced.

If this happens, no severe break in cattle prices is likely while men are well employed and demand for beef is good. But neither can any price increases be expected.

2. Or cattle owners will reduce herds as they've always done after numbers built to a peak. The cattle production cycle, which has made five complete rounds since 1880, will continue with its usual slight variations.

If this happens, slaughter rate of cattle and calves will go up sharply for a couple of years while cattle numbers are being reduced. Cattlemen will market all they raise plus some of the herd accumulations.

Such a reduction of cattle numbers would be accompanied by price adjustments to a new lower level. Lower prices could be expected to continue until cattle numbers were reduced and cattle owners started to build herds again.

Of course the problem for cattle feeders is to avoid being loaded with cattle when, and if, cattle liquidation and a price break occurs.

It should be pointed out that there's little so far to indicate heavy selling of cattle this year. Cow slaughter in the first part of the year was about 10 percent under a year before.

But there could be a heavy movement of steers and calves to market this fall. Cattlemen might start to cut herds at that point.

It looks like a good year to wait out the feeder cattle market. —**Homer Hush.**

Notice to All Farmers!

IMPORTANT....FARMERS IN ALL MIDWEST AREAS ARE URGED TO PROTECT THEMSELVES AGAINST PRICE INCREASES IN 1956 BY USING THE MOBIL FUTURE FARM ORDER PLAN OFFERED FOR LIMITED TIME ONLY BY MOBILGAS-MOBILOIL FARM AGENTS IN THIS AREA....

Last Chance to GUARD AGAINST PRICE RISES On Farm Lubricants!

Act Fast to Receive Socony Mobil's Liberal Discounts and Guaranteed Price Protection!

If you want iron-clad *guaranteed* protection from price increases on farm lubricants in 1956—act immediately!

This offer will *not* be made again this year! So figure your future requirements and order *now* while Mobil's generous Future Order Plan is still available! Get delivery when you need it at today's low prices! Or *lower*—if market drops before delivery!

You Win With Mobil Quality Too!

Top Quality Mobiloils are high-detergent heavy duty oils with performance characteristics made to give your equipment the finest lubrication possible.

Top Quality Mobilgreases give you lubrication that stays put where you need it, even under severe "shock" load conditions!

Top Quality Mobilube Gear Lubricants and other special lubricants guard against scuffing wear . . . cut costly repair bills.

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Offer Expires Soon!

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NEW PROFIT BOOSTER!

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ECONOMICAL ANTIBIOTIC SUPPLEMENT FOR POULTRY AND HOG FEEDS

PROVED FOR LAYING HENS

Baciferm increases egg production, ups feed intake, and improves feed efficiency. It supplies the effective antibiotic bacitracin that controls harmful bacteria and promotes the growth of beneficial, vitamin-producing bacteria. Even sluggish hens respond quickly to feeds containing Baciferm.

PROVED FOR TURKEYS

Tests show that Baciferm added to turkey feeds is unexcelled in controlling conditions associated with non-specific enteritis and infectious sinusitis. Baciferm guards turkeys against dangerous bacteria, supports helpful bacteria, and promotes rapid growth.

PROVED FOR HOGS

Hog-belt farmers report superior results with Baciferm in swine feeds. Appetites are stimulated, growth is improved, swine enteritis is controlled, mortality is reduced. And Baciferm helps get runts and tail-end hogs to market profitably.

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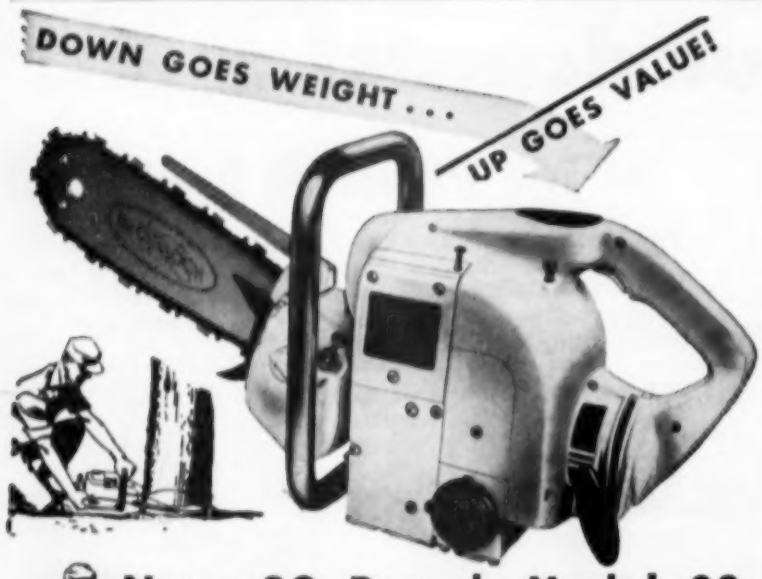
Ask your dealer for feeds containing BACIFERM

CSC BACIFERM®

(BACITRACIN ANTIBIOTIC SUPPLEMENT)



New—20 Pound—Model 33

McCULLOCH CHAIN SAW

Here you have the lightest weight of all one-man gasoline-powered chain saws. Yet it's no flimsy tool — it's capable of heavy logging in timber of 2' and 3' diameter. The narrow, saber blade reduces pinching . . . new narrow kerf . . . Sabertooth chain . . . special McCulloch 2-cycle engine

16" size only $218 — with longer blade size available.

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Social security for disabled

Many disabled workers, their dependents or survivors are eligible for benefits

Under 1956 amendments, social security coverage was extended to cover disabled workers at age 50. And disabled children who were disabled before reaching age 18.

Provision already was made for freezing your earning record after a six-month disability.

You may qualify for disability payments at age 50 or for the disability freeze if you have social security credit for:

1. Five years of work in the 10 years before the established beginning date of your disability.

2. One and one-half years of work in the three years before that date.

To get disability benefits, you must have as much work to your credit as would be required for retirement benefits.

But the regulations eliminated disability benefits for self-employed farmers, unless you had prior coverage under social security. It's possible the regulation will be changed later so disabled farmers can qualify for benefits before five years under the program.

Provisions of the disability benefits are discussed below.

Benefits to disabled over 50 years of age:

You must be so severely disabled that you are unable to do any substantial work. And the disability must be expected to continue indefinitely.

If you are temporarily disabled or only partly disabled you aren't eligible.

The disability may be either mental or physical. But you must submit medical evidence to show what your disability is and how long you are expected to be disabled.

No benefits can be paid until after you've been disabled for six months.

After you have applied for disability benefits your name will be referred to the state vocational rehabilitation service. If you can be taught to earn your own living, your social security benefits will stop.

If you refuse, without good cause, to accept rehabilitation your social security benefits will be stopped.

Benefits to eligible disabled workers will be the same as if they were 65. Monthly social security benefit will be based on your average net earnings.

But, no payments will be made to your dependents until you reach age 65 regardless of how disabled you are. If you die while receiving disability benefits, your dependents can qualify for survivor benefits.

Disability freeze:

If you are under 50 years of age and are disabled, and have been covered by social security, you should apply for a disability freeze. This action would freeze your earnings record and the months of your disability will not be used in figuring your social security benefit.

You must be disabled six months before applying for the earnings freeze. And you must furnish medical evidence that the disability is expected to be permanent or to last over an estimated length of time.

You must make an application for the disability freeze at your nearest social security office. The freeze will not take effect until you make application regardless of how long you have been disabled.

It will be necessary to present evidence that will establish the date your disability began.

Benefits for disabled children:

Disabled children may be eligible for social security benefits. The child must be single, and the disability must have occured before the child reached age 18. And the parent must be eligible for social security benefits.

If you are retirement age (65) or a widow and are qualified for social security benefits and you have a disabled child you should contact your social security office after Sepetmber, 1956. If the disabled child is under 18, be sure to contact the social security office before the child reaches 18.

These benefits for the disabled will add costs to the social security program. An increase in social security taxes of three-eighths of one percent of self-employment income and, one-fourth of one percent of wages added by employee and employer was added to the present taxes.

These increased taxes will be payable on income or wages up to $4,200 a year. And will go into effect on January 1, 1957.

"Was that you causing all that commotion out here?"

"I like the cool, freshly turned earth on my bare feet, don't you?"

SAVE YOUR LIFE!

School youngsters play with enthusiasm. And they often forget cautions. That point is illustrated by this true story, reported by Norval J. Wardle, safety specialist at Iowa State College.

"GOT IT!" Ken easily handled the sizzling throw from Hank. The baseball zinged back to Hank and struck his glove with a resounding whack.

"Bet that stung," called Ken.

The boys were playing catch as they waited for the bus to take them to school. The highway and crossroad made plenty of room to get in some real practice.

"Dad thinks we shouldn't do this on the crossroad. Says that blind turn is dangerous."

"Ah, baloney. I'll watch for the cars, Ken."

The tempo of the play increased. Susan, Ken's younger sister, thought Ken was getting good enough to be a big leaguer. Then . . . Susan yelled!

"Ken!!! Ken!!! look out!"

There was the roar of an approaching car, the screech of rubber skidding on the concrete.

Susan who had covered her face in her hands, slowly looked up, expecting to see Ken in a mangled mass on the pavement. But no, there he stood by the side of the highway. The car had stopped and a man was coming back.

"Are you all right, sonny?"

"Oh, I'm O.K." Ken mustered a brave but rather weak smile.

"Dangerous place to play catch isn't it?"

"I suppose it is," spoke up Hank. "But we always thought we could see a car in time. We just got to playing and forgot."

How can children be safe while playing? A few common sense rules will help.

1. Play the game correctly. Rules are for your protection.
2. Play in safe places. Playgrounds should be planned. Highways, littered yards, and near buildings are unsafe places to play.
3. Have good equipment. This need not be expensive. But makeshift play equipment often causes accidents.
4. Don't play dare games. These usually make you bet your life and you may lose it.
5. Be fair. The unfair player often gets injured or, worse yet, injures someone else.

Smart, Modern Pickup

On the road you want all the performance, comfort, style and economy of this modern farm truck.

Which of these trucks will do the most for you?

Light-duty Four-Wheel-Drive Truck

For the rough, tough off-the-highway farm hauling jobs, you want a truck with extra traction, extra power.

Get both with this NEW "double-duty" INTERNATIONAL!

The INTERNATIONAL light-duty Model S-120 four-wheel-drive, pictured above in *both* illustrations, is a *full-size* pickup, with a full-size body, full-size cab. It's no cumbersome midget or ungainly monster, but a modern farm pickup with good looks your wife will approve.

Yet with both axles engaged, it has power-plus and sure-footed traction to pull its 7,000 lbs. GVW effortlessly up steep grades, through mud. It goes where roads *can't* go.

There's flexible *auxiliary* power, too. Power take-off gives extra power for scores of stationary or portable power jobs around the farm or ranch.

Let your INTERNATIONAL Dealer or Branch show you the range of full-size bodies—pickups, stakes and platforms and Travelall®—for this versatile INTERNATIONAL four-wheel-drive truck. Choice of 24 smart new color combinations, including 12 two-tones!

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INTERNATIONAL® TRUCKS

All-Truck Built to save you the BIG money!

FREE for Farmers!

Sinclair's Truck and Tractor Lubrication Guides Specially Assembled With Individual Lubrication Charts

Preventive maintenance puts money in your pocket. Here is the exact information you need to help you save time, cut repairs and add years to the life of your truck or tractor.

Mail Coupon Today

Look at what you get:

1. Big, colorful guide booklets on general lubrication and maintenance information (with plenty of detailed drawings), correct maintenance procedures for all lubricated parts, a section on safe tractor operation, tractor storage suggestions.
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Be sure to list make, model and year of your equipment.

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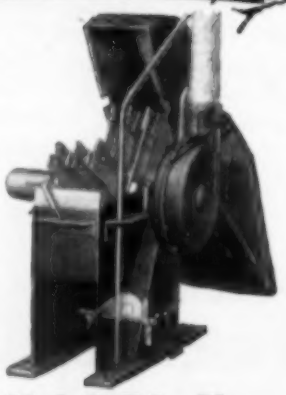
Your HAMMER MILL Dollars



You get more mill for your money in a Papec Model X Hammer Mill . . . Extra Long Thin Hammers . . . Patented 3-ply Reversible Hammer Tips . . . 2 Screens instead of one . . . More Screen Area . . . Positive Non-clog Feed Delivery to blower . . . 2-way Bagger. Both stationary and portable power take-off models available. And every Papec Model X Hammer Mill is GUARANTEED to grind *any* dry feed to *any* desired fineness faster and cheaper than *any* other mill in the same power class. See your Papec dealer. Papec Machine Company, 2925 Chrysler Road, Kansas City, Mansas.

PAPEC MODEL X HAMMER MILLS

Painting is hard work, but it's a job that has to be done regularly. Well painted farm buildings look nice and offer protection from the weather. When picture was made, Bob Buford, Jo Daviess county, Illinois, was painting his barn.

Dress up your buildings

Coat of paint brings beauty, protection to buildings; here are painting pointers

PAINT on farm buildings has two purposes. Making buildings look nice and protecting them from the weather.

To some midwest farmers, looking nice is the most important. But others claim protection offered by a good coat of paint is the most important.

But if a building needs painting, you should apply a paint that will both look nice and protect the buildings.

After you decide to paint your buildings, the next question is should you do it or should you hire it done?

You may decide to do your own painting—in your spare time. It usually takes longer, but the painting job may be done well for less money.

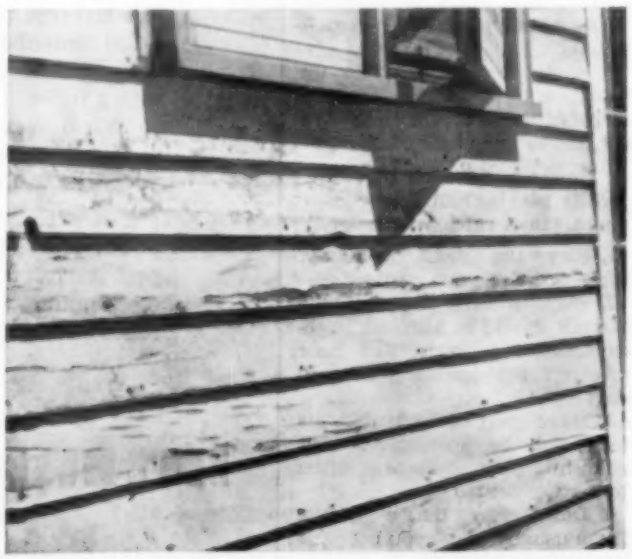
But if you hire the painting done—be sure you can locate the contractor if you aren't satisfied with the job. Usually you can complain to a local contractor if the job isn't done right. But if you hire one of the "traveling spray painters," you probably won't be able to locate them. Best bet is to get several bids before signing a contract.

Before starting to paint, check your ladder. Be sure it is strong enough to hold your weight on each rung.

Check the paint brushes. If you didn't clean them properly when you put them away, it will be easier to buy new ones than to try to clean the old brushes.

Choose the color of paint you

(Continued on next page)



Moisture makes paint blister and peel. Paint will peel regardless of quality if moisture is present. Eliminate moisture before repainting.

How to figure paint needed

(Continued from previous page)

want. Then figure how many gallons you will need.

One gallon will cover about 800 square feet for repainting a surface which is in fair condition. On new surface, one gallon of primer covers about 650 square feet. For second and third coats, one gallon will cover about 700 to 750 square feet.

To figure the area to be painted, measure around the house and multiply by the height (do not include the gable). To get the area of the gable, multiply the height of the triangle or gable by one-half its width. Then divide the total area by the number of square feet one gallon will cover. These measurements do not allow for windows and doors.

Ready-mixed paints are about right to use for the final coat. But they may need to be thinned for the first coat and for the second coat if you are applying three coats. Follow the directions of the manufacturer.

Surfaces must be thoroly cleaned before applying paint. And the wood must be dry.

If the old paint is blistered and peeled, a moisture problem is present.

Either the wood was wet when it was painted, or moisture is getting thru the wall to the paint. The paint will blister and peel regardless of the quality of the paint if moisture is present.

Excess moisture brings up another problem too—rotting of structural members of the house.

Usually paint blistering and peeling is caused by too much moisture inside the house. Part of the moisture from cooking, washing, etc. can be eliminated by installing exhaust fans.

But if this doesn't eliminate the moisture, you need a vapor barrier on the inside of the house. In older homes and buildings, the wall paper can be removed and two coats of aluminum paint applied to the inside of the outside walls. Wall decorations can be applied over the aluminum paint.

After you have eliminated the moisture problem, allow the wall to dry thoroly before applying the paint.

You can't eliminate the moisture problem by covering up the blistered paint with a permanent material such as aluminum siding. Paint won't peel off these materials, but the wall will continue to rot if moisture is present.

Practice ladder safety while painting. Move the ladder more often. Don't try to reach too much area from one spot. Be sure scaffolding is strong enough to hold, and move it as often as needed to do the painting safely.

NEW PAINT developed by the Army Corps of Engineers is said to stand up under temperatures as high as 1,400 degrees F. Such a paint would be valuable on mufflers, manifolds and any other heated steel parts of engines.

harvest more crops per hour . . . save more dollars per acre

BEANS, GRASS AND LEGUME SEED—this fall you can keep your harvest of these important crops rolling as never before!

The 25-bushel grain bin of the new "Big-Bin" Model 66 ALL-CROP Harvester unloads *on-the-go*. You control unloading from the tractor seat, for more hours of non-stop fall harvesting.

Bin empties faster into moving truck or wagon, with new big-capacity auger and extra-long conveyor.

Both the new "Big-Bin" Model 66 pull-type machine and the self-propelled Model 100 have rubber-faced cylinder bars and wide-flow feed — ideal for saving beans. For tiniest seeds, air blast separation and accurate wind control assure thorough separation and cleaning.

Now is the time to talk with your Allis-Chalmers dealer about having your own ALL-CROP Harvester. Save more bushels . . . make the most of every hour in the field.

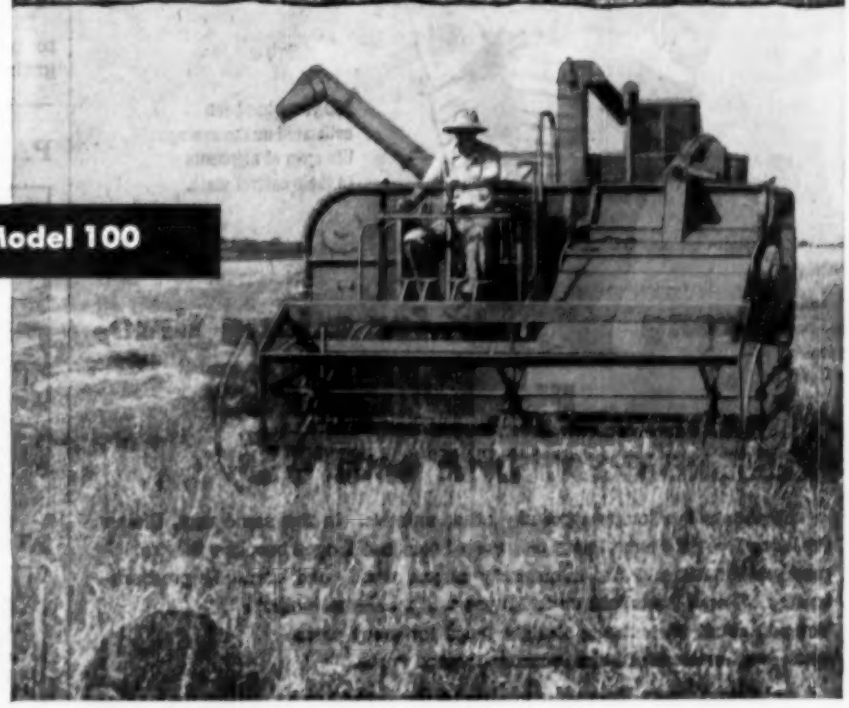
FARM EQUIPMENT DIVISION, MILWAUKEE 1, WISCONSIN

New "Big-Bin" Model 66 ALL-CROP Harvester

$1375 complete with PTO attachment f.o.b. factory

ScourKleen **$76.50**

Both Model 66 and Model 100 machines are available with optional bin or bagger equipment.



Self-Propelled Model 100

$4395 with 9-ft. header, f.o.b. factory

$4545 with 12-ft. header, f.o.b. factory

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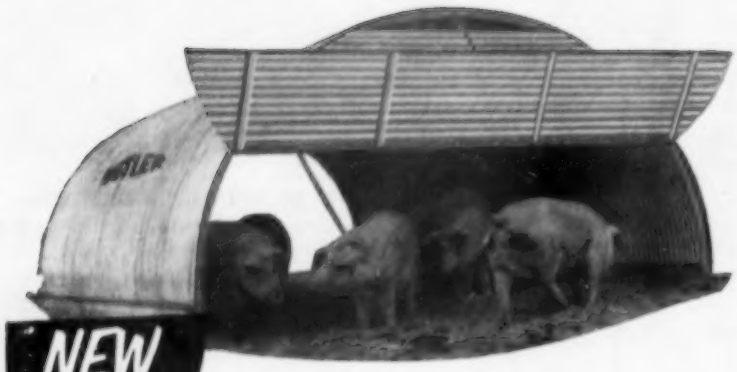

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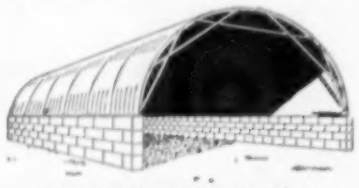
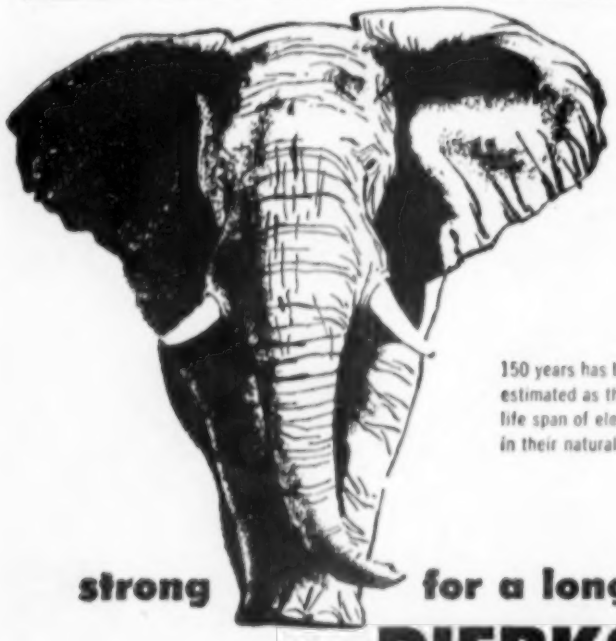


GAIN EXTRA HEIGHT EASILY
Utility shelter illustrated above has 10' 9" ground-to-top clearance, mounted on four rows of concrete blocks.



150 years has been estimated as the average life span of elephants in their natural state.

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Elephants live longer than any other animals. In the same way, Dierks Pressure-Treated Fence Posts and Barn Poles last longer because they're made of Southern Pine, a naturally strong wood, and carefully pressure-treated. Dierks Posts last up to 30 years . . . or even longer! You can count on a strong straight fence for many years when you fence with Dierks Pressure-Treated Posts.

Get Dierks Posts from your lumber dealer — either Penta-Treated or Creosote-Treated. Also ask about Dierks Pressure-Treated Barn Poles for low-cost pole-type farm buildings. Look for the aluminum tag on the end of every post.

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Dierks Bldg., Kansas City, Mo. 810 Whittington Ave., Hot Springs, Ark.

Keep your eye on sorghums

Higher-yielding hybrid sorghums offer some advantages over corn

CORN BELT farmers will want to keep an eye on sorghums.

Cytoplasmic male sterility has made production of hybrid sorghums practical. That's the same character that cuts out part of the detasseling in production of hybrid corn.

Hybrid sorghums should yield 20 to 40 percent more than present grain sorghums. That's according to Dr. John H. Martin of the United States Department of Agriculture.

Martin expects hybrid seed to be on the Corn Belt market in limited quantities next year.

He lists a number of advantages sorghum has over corn for many areas.

1. Stands hot dry weather better than corn.

2. More tolerant to corn borer. In field tests, corn plants contained five to ten borers per stalk. But only one sorghum plant in 10 had a borer.

That doesn't assure that corn borers wouldn't adapt their taste to the sorghum plant if it becomes widely grown.

3. Less damage from grass hoppers.

4. No shelling operation required. Your present combine can do the job.

This helps make up for the drying which must be done to get grain sorghum stored safely. Figure on a daily harvest at about two to two and one-half acres per foot of combine width.

Biggest disadvantage seems to to be this need for drying the grain. Sorghum should be combined before frost. Otherwise, losses may be heavy.

Part of the reason for slow drying is this: Sorghum is a perennial—not a one-season plant like corn. It keeps green right up to frost.

Under green house conditions, sorghum plants have lived for 13 years. In southern California, some plants have lived under field conditions for six years.

Yes, you'll want to keep an eye on hybrid sorghums.

They make an alternate crop for corn. Yields will be about the same. Feed value is about the same—perhaps slightly lower. Most farm animals do well on sorghums, too.

Sorghum culture is about like that for corn. You can do the job with present "know how" and equipment.

Maybe you'll want to switch part of your acres to the crop that promises to be corn's hottest competition.

How To Earn Two Cents!

Handling grain with a scoop shovel? Then you may be working for about one-fifth of a cent per hour!

That suggestion comes from an agricultural engineer at Purdue University. Here's how he figures it:

The average person can move about one-tenth as much grain in an hour as a one horsepower electric motor. And the motor will use about two cents worth of electricity.

PAW TUCKER—"After the fair is over"

Regular terrace layout often makes farming more difficult. But keeping terraces parallel does away with most point rows. And wider bases let you use four-row machinery.

Easier to farm terraces now

Parallel terraces reduce point rows; wider construction fits big machines

TIRED of farming point rows? Many farmers are. Point rows make you spend too much time turning and too little farming.

Where slopes are not too steep, it is practical to lay out terraces that are parallel with each other. This means the same number of crop rows at all points between two terraces. Most of the point rows are done away with.

Of course, parallel terraces won't be on an exact contour. But that doesn't matter.

A "key" terrace is staked along the contour near the middle of the slope. Then others up and down the slope are staked parallel to the key terrace.

Part of a terrace can even have steep grades if the distance isn't far. Iowa State College workers checked drops of more than a foot and a half in 100 feet. There was no erosion damage over short distances.

Control of runoff and erosion with parallel terraces proved satisfactory in many tests.

On some large fields it is not always practical to have all parallel terraces. Sometimes it works out better to have two systems each parallel within itself.

Sure, parallel terraces are harder to lay out. But with Soil Conservation Service help, the extra trouble is worth while.

D. D. Smith of the University of Missouri compared parallel with conventional terraces. He found that parallel terraces

(1) reduced point row area by 70 percent
(2) nearly doubled average row length
(3) reduced operator and equipment time in the field by about 10 percent.

"That means a saving of at least three dollars an acre in machine and labor costs," points out Smith.

Practical farm experience bears out Smith's findings. Just ask Harold Marsh of Hardin county, Iowa. He will even add to Smith's list of advantages.

Marsh says, "Four-row equipment works well with my parallel terraces. The terraces are spaced so that rows between terraces come out in multiples of four.

"The channel and ridge are each four rows wide, too. So far, I haven't had a bit of trouble with either planting or cultivating."

"But getting rid of point rows is probably the biggest advantage of parallel terraces," thinks Marsh.

Many other Corn Belt farmers who have tried parallel terraces are equally enthusiastic.

Of course, you don't have to have parallel terraces to use the broad channel and ridge idea.

Merle H. Goecker of Page county, Iowa, speaks for a lot of folks on this.

He says, "I don't like to farm over terraces. But I need them to save soil and water. So I'm learning to live with them.

"Broad channels and ridges do make the job a lot easier to work over. Bigger machines like combines give a lot less trouble over wide terraces."

Then he adds, "Sometimes I leave a strip of the narrower terraces in grass. That doesn't take much cropland. And it does save a lot of trouble farming over them."

ALMOST HALF of heart attacks happen while the victim is asleep. Only two percent happen during physical exertion. That's according to Dr. Theodore Klumpp of Winthrop Laboratories.

ASTHMA sufferers can take atomized medication with a new aerosol dispenser. A metered valve limits the amount of medicine delivered by each press of the button.

FEED THE VICTOR WAY ALL THE WAY!

HURRY YOUR HOGS TO MARKET

EARLY GAINS ARE CHEAP GAINS

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The time to get your pigs headed for best market weights . . . is right from the start.

It's vital that your pigs are at peak weights at weaning time. But you can't depend on the sows' milk to do the job. So — get your pigs on VICTOR PIG PRE-STARTER fast.

Many hog raisers put their pigs on VICTOR PIG PRE-STARTER as early as 5 to 7 days after birth. Your pigs will be eating well by the time the sows' milk flow drops off. And you are protected against expensive setbacks. It means earlier weaning, too — which is important.

Then—shift to VICTOR PIG STARTER . . . and you're on your way to a money-making year.

VICTOR PIG PRE-STARTER AND VICTOR PIG STARTER contain essential nutrients in scientifically balanced amounts to put fast, quality, low-cost gains on your pigs. And, because VICTOR PIG PRE-STARTER and VICTOR PIG STARTER are so appetizing—your pigs will love them.

Decide now to feed your pigs VICTOR PIG PRE-STARTER and VICTOR PIG STARTER . . . and feed them the VICTOR way ALL THE WAY to market weight! See the VICTOR dealer near you. TODAY.

FREE THIS NEW HOG PROFIT GUIDE

ASK YOUR VICTOR DEALER . . . OR WRITE DIRECT TO US

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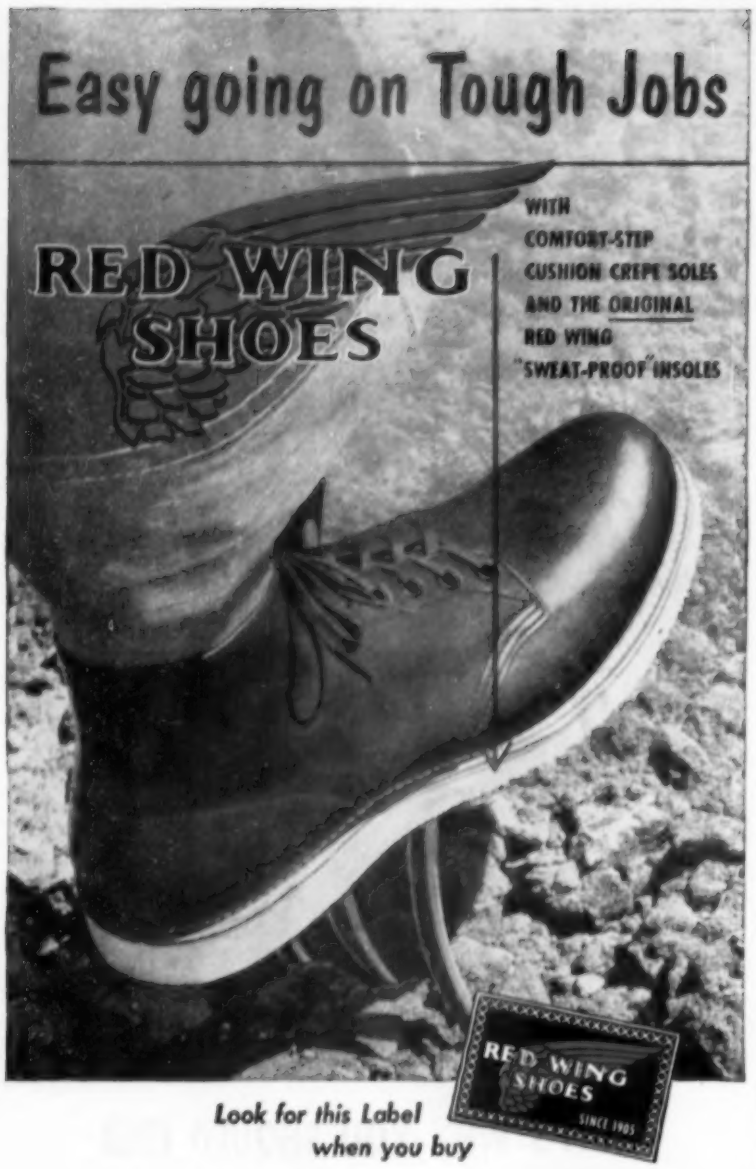
THE CRETE MILLS CRETE, NEBRASKA

Division of the Lauhoff Grain Co.



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When drouth hits corn

Is it safe to pasture corn stalks after drouth? What about "nitrate poisoning?" Here's sound advice

Pasturing corn stalks in drouth areas is somewhat of a risk. Nitrate poisoning has cost some farmers livestock. Here Dr. John B. Herrick, Iowa State College veterinarian, explains nitrate poisoning, offers some guides for using roughage from drouth-damaged fields.

NITRATE poisoning isn't new. A few years ago in western states—Kansas, Nebraska, Wyoming, and the Dakotas—oat hay from drouth areas poisoned livestock.

Two years ago in Missouri, some livestock were poisoned in pasturing drouth-damaged corn. Both times, chemical analysis showed nitrate poisoning.

When a plant is growing normally, nitrates in the soil are carried into the plant and are used by the plant.

When the plant's metabolism is disturbed by injury or drouth, the nitrates accumulate in the plant.

When the plant is eaten by cattle or sheep, the nitrates are changed into nitrites. And nitrites are poisonous to livestock.

This type of poisoning has been caused by drouth-damaged corn in Iowa, Kansas, Missouri, Wisconsin, Minnesota and Nebraska.

Livestockmen should not become extremely alarmed by risks of nitrate poisoning. Yet they should be aware of the risks so they will be on the lookout for danger signs.

Here are some significant points:

1. Nitrate poisoning occurs without rhyme or reason. But usually, it has happened when drouth-damaged corn was fed or ensiled.

2. When nitrate in the plant exceeds 1.5 percent, poisoning can occur from eating the plant.

3. Animals pasturing drouth-damaged corn may be affected shortly afterwards. Or they may pasture for several days before showing signs of poisoning.

This depends on the content of nitrate in the plant, how much the animals consume, and how many high-nitrate plants there are in the field. There is a lot of variation among plants in the same field.

4. Symptoms of the disease are like those of prussic acid poisoning. Labored breathing, poor coordination, and a staggering walk are symptoms.

5. When drouth-damaged for-age is made into silage, it may still be dangerous for a time. Just how long this danger period will be can't be predicted. But usually, corn ensiled in August was much safer to feed two months later than two weeks later.

6. The disease is diagnosed in a sick animal by presence of chocolate-colored blood.

7. Methylene blue given intra-venously has been used successfully as a treatment if given immediately when the animal becomes sick.

8. Only a few cases of nitrate poisoning have been reported in Iowa and Missouri this year. So you need not be unduly alarmed. At the same time, farmers who have drouth-damaged corn should be aware of the danger.

Sleds are handy . . .

Sleds like these are handy for moving machinery, sacked fertilizer, hay, straw, fencing materials, etc., reports Everett Young, Henry county, Iowa. His sleds are four feet wide, 16 feet long. Runners are 4x4's. One-inch lumber is nailed to 2x6 cross-pieces.

I WAS JUST FIGURING...

by Cy Watkins

What would you think about having a lion with a litter of cubs out behind the barn? Or maybe a rhinoceros? Imagine having a rhino out in the pasture? Be kinda strange, wouldn't it, having "big game" on the farm?

Well, it wasn't long ago that the gran-pappy of those pigs of yours was as dangerous and fierce as any "big game" in the world. Folks say he was **meaner** than any old lion or tiger. And when he was mad he was faster than you'd ever figure . . . there's many a hunter who never got a chance to load a second shot.

Now take a look at those domestic hogs of yours. Sure, they're still nothing to get careless with, but they're a long way from the wild pigs, or even from the old razorback for that matter.

Today's pig is a meat makin' machine, pure and simple. Been bred that way by a lot of real smart cookies. You put the "right stuff" in the front end and the critter just somehow turns to meat!

And that's where Watkins comes in. The Watkins Hog Program takes advantage of every bit of a pig's meat-making ability . . . and it starts even before the sow is bred. And during gestation, you'll be feeding those pigs the "right stuff" even before they're farrowed.

By the time they're farrowed, they're well on their way. Big-framed. Vigorous. Eager to grow. Next problem is to get 'em on the Watkins Pre-Starter ration. And ain't **that** ridiculous? When pigs are such pigs, why you should have to coax 'em to eat! It's not always easy, with the Watkins Pre-Starter or any other kind. It takes some time, but it's worth it for several reasons:

1. **The 1956 baby pig NEEDS the high fortification, the minerals, vitamins and antibiotic that only a pre-starter supplement can give.**

2. **A sow's milk is undependable, both in quantity and quality. Strong pigs may get their tummies full but the pickings'll be slim for the weaker ones. (Yet the Pre-Starter will save the weak ones, and turn 'em into good, thrifty pigs.)**

But I can argue all day and it won't take the place of good hard facts, will it? So here are the facts . . . proved by thousands of litters. The earlier a pig gets on the Watkins Pre-Starter, the better off he is. He'll do better during growing and fattening, use less feed per pound of gain, be a better-doing pig, and be ready to trade for cash sooner.

To top it off, the Watkins Pre-Starter, like the other Watkins pork rations, COSTS LESS than any other ration of comparable quality because you mix it yourself . . . from Watkins Min-Vite for Swine. Next time your Watkins Dealer calls, why not give him a few minutes for some hog-talk?

The J. R. Watkins Co., Winona, Minn.

Farm and Feedlot

Over-Filling Doesn't Pay

Ever get car sick? Then you may know how an animal can feel if you fill him up with water and feed before shipping him to market.

The practice of trying to get additional weight may result in actual loss of weight, says Livestock Conservation, Inc. Travel-sick livestock, particularly cattle, results in excessive shrink, "downers" and loss of market bloom.

Normal, or a little less, food and water prior to loading time is recommended by experienced feeders and livestock specialists.

Abortions For Fed Heifers?

Pregnant heifers being fattened for market are a problem. They use some of the feed to build the developing calf. And they sell for less than non-pregnant heifers.

A hormone product that contracts the uterus and causes abortions has been used in several feedlots by veterinarians with good results. Abortions occur from five to 30 days after treatment. However, animals more than six months along should not be tested.

List Most Durable Fence Posts

Durable woods make the best fence posts, says F. W. Dean, Ohio State University forester.

Here's the life expectancy of some durable woods as fence posts:

Osage orange, 40 years or more; locust, 30-35 years; red cedar and mulberry, 25-30 years; white cedar, catalpa, and white oak, 12-20 years.

Life of posts depends on percentage of heartwood—the wood near the center of the tree, Dean says. However, when posts are treated with a preservative, you want posts with a high percentage of sapwood since they will absorb more preservative.

FIRST THREE WEEKS is the most critical period in a pig's life. That's when runts are made by dirty pens and yards.

"I was only fighting in support of your views on the government's farm program."

Low-cost way to make old buildings like new with Strongbarn

1. REMOVE DAMAGED COVERING that is cracked, rotted, warped or broken. Avoid damaging usable covering. Paint still-sound metal covering with metallic zinc paint. Replace unsound rafters, stringers, studs and beams to give building maximum structural strength and to provide adequate fastening for new Strongbarn roofing and siding.

2. APPLY NEW ROOFING. Use Strongbarn, which is more than twice as strong as conventional materials of equal gage. Start nailing Strongbarn at end of building away from prevailing wind. Side-lap 1½ corrugations. End-lap 8 in. for 4-in. rise per foot, 6 in. for 5-in. or more rise per foot.

3. APPLY NEW SIDING. Strongbarn corrugated galvanized steel siding is 21 lbs. per sq. lighter than sheets of comparable strength. Start at corner away from prevailing wind. Side-lap 1½ corrugations with 1¼" pattern Strongbarn . . . 1 corrugation with 2½" Strongbarn.

4. NAIL PROPERLY. To seal out water and help prevent rust, use extra-long galvanized steel ring-shank or screw-shank nails with lead heads or washers. Nail roofing on "top" or slightly "off center" of the corrugations. Nail siding in "bottom" of the corrugations. Do not flatten corrugations when hammering.

Strongbarn corrugated, galvanized steel roofing and siding costs less than competitive materials of equal supporting strength, and furnishes long-lasting protection to grains, hay, machinery and livestock. Strongbarn is made of high-tensile steel so it actually adds to the structural strength of your building.

PUTTING UP A NEW BUILDING? Write Dept. W-69, Granite City Steel Co., Granite City, Illinois, for FREE plans of time- and labor-saving farm and ranch structures . . . or see your Strongbarn supplier

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GRANITE CITY STEEL COMPANY, Granite City, Illinois

EVERY FAMILY has its own favorite ickle recipes. On this page, Mrs. Clarence n, farm woman from Story county, Iowa, hares her family's favorites with you.

It's time to make pickles again

"MANY meals need something to perk them up," says Mrs. Clarence Iden of Story county, Iowa. "We like pickles.

"I make several kinds. Here are some of our favorites. They are good keepers. Sometimes I have enough left over so I don't need to make all of them every year."

A mild chili sauce is one of Mrs. Iden's standbys. She makes quarts of it. Sometimes she uses it as a barbecue sauce over weiners or hamburgers. Another time it is a sauce for spaghetti and meat balls. Chili sauce and mayonnaise make a good Thousand Island dressing for head lettuce.

Diluted a bit, this chili sauce turns a piece of round steak or a slim rump roast into delicious Swiss steak. She adds a little to soups and stews to sharpen their flavor.

CHILI SAUCE

5 green peppers
4 quarts ripe tomatoes, peeled and cored
⅔ cup chopped onion
2 cups vinegar
1½ cups sugar
5 teaspoons salt
2 teaspoons ginger
1 teaspoon cinnamon
1 teaspoon nutmeg
1 teaspoon dry mustard
¾ teaspoon red pepper

Put vegetables thru the food chopper, using the coarse blade. Combine with other ingredients. Cook slowly until thick—two hours or more.

This is not a very hot sauce. You may want to add more red pepper or, maybe, some garlic.

Mrs. Iden likes to cut sweet dill pickles in small pieces to add to potato or kidney bean or cabbage salad.

SWEET DILLS

4 quarts 1-inch length dill sized cucumbers
¾ cup salt

Sprinkle salt over cucumber pieces in a large crock. Cover with boiling water, and stir to dissolve salt. Let stand over night.

Drain, and rinse in cold water. Drain well. Cover with this solution, and simmer until cucumbers are clear.

1 pint vinegar
3 pints water
1 tablespoon alum
1 tablespoon tumeric

When cucumbers are clear, drain well and pack in quart jars. Add a head of dry dill (or one tablespoon dill seed). Cover with the following syrup, boiling hot.

1 pint vinegar
1 pint water
4 cups sugar

Seal, and store about four weeks before using. If you like a strong flavor of dill, use two heads.

Homemade relish seems to belong with a baked bean and brown bread supper. Mixed with some mayonnaise, it makes a delicious sandwich spread, with or without meat. The relish and mayonnaise combination, with a bit of freshly chopped celery or onion, makes a most satisfactory version of tartare sauce to go with fried fish.

END OF THE GARDEN RELISH

4 cups ground onion
4 cups ground cabbage (one medium head)
4 cups ground green tomatoes (about 10 tomatoes)
12 green peppers ground
6 sweet red peppers ground
½ cup salt

Use the coarse blade to grind the vegetables. Sprinkle with salt, and let stand over night. Drain. Rinse well, and drain well again.

6 cups sugar
2 tablespoons mustard seeds
1 tablespoon celery seed
1½ teaspoons tumeric
4 cups vinegar
2 cups water

Combine sugar, spices, vinegar and water. Pour over vegetable mixture. Heat slowly to boiling, and simmer three minutes. Pour into sterilized jars, and seal.

Watermelon pickles are party fare but so simple to make that the Idens enjoy them often. Jars of these luscious pickles, done up in pretty paper and ties, make welcome Christmas gifts.

WATERMELON PICKLES

Trim the green skin and most of the pink meat from the rind of a large watermelon. Cut in strips about one inch wide and three inches long.

Soak over night in salt water to cover. Use four teaspoons salt for each quart of water.

Next day, drain. Cover with fresh water, and cook until tender. Drain well.

4 cups sugar
2 cups vinegar
4 teaspoons whole cloves
8 three-inch sticks cinnamon, broken
1 tablespoon mustard seed

Put cloves, cinnamon and mustard seed in a cheese cloth bag, and add to sugar and vinegar. Bring to boiling. Turn off the heat, and let stand 15 minutes.

Add well drained watermelon pieces, and cook gently until clear and transparent, about 10 minutes.

Pack at once in sterilized jars.

Homemaking Today

Edited By **ZOE MURPHY**

Country air

I'M a young farm wife. My husband and I live on the farm my great, great, great grandfather homesteaded in Iowa Territory over 100 years ago. My Mom has the original sheepskin deed signed by President Polk. She and her father were born in the old farm house, a part of which still stands, tho it is modernized today.

* * *

The tractors roar back and forth over the contoured fields where once big footed, whitefaced horses patiently plodded as each season progressed. Gone are the familiar stomp and neigh in the empty horse stalls in the big old barn and the surrey with the fringe-on-top.

* * *

Now my husband and Dad have motorized, labor saving farm equipment. We feed the hogs in self feeders, and the garden tractor tends our big truck garden.

* * *

But as in years gone by, the dogs and I must round up the cows at milking time, and my husband tends and feeds the hogs at chore time.

* * *

The old mud road is replaced by an all-weather gravel road with cars, jeeps, station wagons, big semi's and little handy pick-ups speeding by in a constant stream. With our trusty car, my husband and I whisk our sweet cream to sell and the fryers, (that we raised in our electric brooder house) vegetables and fruits to the locker for winter use whenever we want.

Wood ashes were saved, and lye made to keep till butchering time to make a barrel of soft soap for laundry and scrubbing. Wood cutting and sawing and picking corn, Grandpa says, were a joy that he can long remember.

* * *

They came early in wagons filled with home baked goodies. In the spring in surreys, in the fall and winter in bobsleds and sleighs as the weather dictated. The women quilted, while the men worked! We go to ball games, shows, fishing, etc., in our car. It used to be community affairs.

* * *

The little white country church where they worshiped is gone, but adjoining is the well kept country burial grounds. The soft breezes of the large old shade trees, the fragrance of newly turned furrows in the spring, the green corn and clover fields adjoining make a quiet and peaceful resting place for our many early settlers.

* * *

Grandpa had a large orchard of peaches, pears, plums, and apples. The apples were pressed for cider, vinegar and the making of apple butter cooked to a brown bubbling goodness in large copper kettles.

* * *

Now we have set out many bulbs and shrubs, as well as the start of a new fruit orchard this spring, which will grow old along with my husband and me. And with them, we will no doubt learn wisdom, patience and know how. Yes, I thank God to be living in this age!—Mrs. R. E. Shafranek, Washington county, Iowa, Guest Columnist.

SUMMER CASUALTY! Mrs. Ted Haugo, Worth county, Iowa, puts a bandage on daughter Rebecca's foot. Result of going barefoot.

Imperial Model 625-PA or 725-PA Automatic Power-Air

Pre-Season TRADE-IN SPECIAL on this Fully Automatic DUO-THERM HOME HEATER SAVE $30 LIMITED TIME ONLY

Another beautiful thing about this heater is the price!

Take advantage of this Duo-Therm Pre-Season offer of a brand new Duo-Therm oil heater and $30.00 Power-Air Blower —all for the price of the heater alone!

What better reason to replace your old-fashioned heater with a modern Duo-Therm! Exclusive Dual Chamber Burner gets more heat from every drop of oil. *All-steel* heat chamber puts heat in your home *faster* . . . doesn't soak up heat like old-fashioned cast-iron. Duo-Therm's Automatic Power-Air puts lazy ceiling heat to work for new "living level" comfort, wall-to-wall, room-to-room.

So live a little! Enjoy real comfort plus a bright new look to your living room. All this plus extra savings, if you'll see your Duo-Therm man soon. Offer good for limited time.

And what's a better time than today?

SAVE $20 on this handsome GAS consolette!

Limited time only. Mayfair Model 1304-SP-PA—fully vented. Complete with Power-Air Blower, automatic safety shut-off. Equaflame Burner available for any type gas, including bottled or bulk LP.

Duo-Therm offers a wide range of gas, oil or LPG models, 1- to 6-room capacity. Styles and finishes to beautify any room.

DUO-THERM® for Fully Automatic heat wherever you need it

Home Heaters • Water Heaters • Gas Incinerators • Power Mowers • Snow Removers

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Modern Appliances Are Time and Work Savers

Notice the appliance ads in this paper . . . see and read about these convenient items of modern day living that save you time, work and make your life a lot more enjoyable. A major appliance is one of the best household investments you'll ever make.

Wallaces' Farmer and Iowa Homestead

Fashions for Fall

No. 1485. A beautifully fitting shirtwaist dress, designed in sizes that compliment the shorter, fuller figure. Sizes 12½, 14½, 16½, 18½, 20½, 22½, 24½. Size 14½, short sleeve, 4 yards of 39-inch.

No. 8416. Comfortable two piecer for early fall. Note the interesting button treatment, the soft feminine lines. Sizes 36, 38, 40, 42, 44, 46, 48, 50 52. Size 38 skirt, 3½ yards of 35-inch; top, 2⅝ yards.

No. 8420 & 8421. Pretty look-alike school frocks. 8420 is in sizes 11, 12, 13, 14, 16, 18. Size 12 4⅝ yards of 35-inch; ¼ yard contrast. 8421 is in sizes 3, 4, 5, 6, 7, 8 years. Size 4, 2¼ yards of 35-inch; ¼ yard contrast. Two patterns, 30 cents each.

Patterns are 30 cents each, coin preferred. Order your copy of Basic Fashions for fall and winter, 1956. This book contains practical fashions for all sizes. It costs 30 cents. Address your orders to Pattern Department, Wallaces Farmer and Iowa Homestead, Des Moines, Iowa.

No. 1482. The beloved jumper, side buttoning, to wear with blouses and sweaters. Sizes 12, 14, 16, 18, 20; 40, 42. Size 14, ⅝ yards of 35-inch; ⅝ yard contrast.

No. 8414. As new as tomorrow and just as refreshing. Pencil-slim daytimer, without or with a collar. Sizes 10, 12, 14, 16, 18, 20. Size 12, short sleeve, 3⅛ yards of 35-inch.

No. 1505. Easiest kind of sewing—a neat collarless charmer with few pattern pieces. Sizes 14, 16, 18, 20; 40, 42, 44. Size 16, 3⅞ yards of 39-inch.

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New 18-cubic-foot G-E "Book-Shelf" Freezer

Puts twice as much food within easy reach as a chest freezer!

ONLY $449.95*

*Distributor's recommended retail price.

See this and other sensational freezer values at your G-E dealer's

HOLDS 640 POUNDS

This new G-E "Book-Shelf" Freezer (that keeps food as easy to reach as books on a shelf) is one of the greatest freezer values on the market. Compare the cost . . . even with *chest* freezers of comparable quality and size!

Stores as much as an 18-cubic-foot chest, yet takes only half the floor space. And there's no bending, no rummaging, no lifting . . . *none* of the disadvantages of a chest.

Gives you famous General Electric dependability, new G-E straight-line design plus all this:

- **8 refrigerated surfaces, not just 4 "cold" walls**
- **Frozen juice can dispenser; holds 20 cans**
- **Automatic interior light**
- **Ice cream conditioner; holds 4 half-gallon packages**
- **Big sliding basket for odd-sized items**
- **7 extra-wide and deep door shelves**
- **10-position temperature control including "off"**
- **Safe-guard alarm system**
- **3-year warranty against food spoilage**
- **5-year warranty on refrigeration system**

Available in beautiful G-E Mix-or-Match colors: Canary Yellow, Turquoise Green, Petal Pink, Cadet Blue, Woodtone Brown—or White. See your General Electric dealer for exact terms.

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GENERAL ELECTRIC FREEZERS

Has 150 cooking awards in her collection

Mother Wins Five Blue Ribbons in Cooking Competition at Marcus Fair

Mrs. Wilbur Shefstad shows off her prize ribbons while daughter Una Kay and son Berdene look on. This Marcus, Iowa homemaker loves the excitement of winning cooking contests—and with 150 awards in her collection, she's certainly had a lot of it. Last year alone Mrs. Shefstad took 5 blue ribbons at the Marcus Fair.

Like so many other top cooks, Mrs. Shefstad gives a lot of credit for her success to Fleischmann's Active Dry Yeast. "It's so fast rising," she says. "Gives me grand results every time. And it keeps for months in my cupboard."

That's how most good cooks feel about Fleischmann's—and no wonder! Fleischmann's Active Dry Yeast is the very best, and so convenient—keeps for months on your shelf. And it's fast rising, easy to use. When you bake at home use this grand dry yeast for all your yeast-raised specialties *and* for the new "Yeast-Riz" main dishes. There's a "Yeast-Riz" recipe on every "Thrifty Three" strip.

Get the New "Thrifty Three"

Another Fine Product of Standard Brands Inc.

Order your copy of . . .

FASHION

This issue features new styles for fall and winter, 1956.

This is the magazine for women who sew.

New Fall issue of FASHION is a complete sewing guide whether you are a beginner or an expert at sewing.

Have you seen the newest sewing attachments for your machine? You'll find photos of them in the book.

Have you tried sewing with the new Patt-O-Rama, a visual sewing guide? Patterns in this issue feature this new guide that makes sewing so much easier.

A full page is given to the new Revised Measurement Chart so that women who sew will know exactly their own needs.

Order your copy now. A copy of FASHION costs **25 cents.** Address your orders to Pattern Department, Wallaces Farmer and Iowa Homestead, Des Moines, Iowa.

NOT TWINS or even brothers but these young gentlemen have the same grandparents.—Mr. and Mrs. Joyce Melhus, Wright county, Iowa.

Cookery corner

Blueberry Pudding

¼ cup butter
¾ cup sugar
4 cups bread cubes
1 pint blueberries
¼ cup water

Cream the butter and sugar. Add bread cubes, water and berries, and mix. Turn into well greased custard cups. Bake in a moderate oven (375 degrees) for 35 minutes. Serve warm or cold.

Peach Cobbler

3 cups sliced peaches
1 cup sugar
1 teaspoon lemon peel
1 tablespoon lemon juice
1½ cups sifted flour
2 tablespoons sugar
3 tablespoons baking powder
½ teaspoon salt
⅓ cup shortening
1 egg well beaten
½ cup milk

Place the peaches in a round nine-inch baking dish. Mix one cup of sugar, lemon peel, and lemon juice, and sprinkle over the peaches. Place in hot oven, and fix the topping.

Sift 1½ cups flour, one tablespoon sugar and salt. Cut in shortening. Beat egg, and add the milk. Add all at once to the flour mixture, and mix until all is moistened. Remove peaches from oven, and spoon all over peaches. Sprinkle top with two tablespoons sugar. Bake at 400 degrees for 30 minutes. Serve warm with thin cream.—Myrtle Odland, Wright county, Iowa.

Stuffed Tomatoes

6 tomatoes
1 cup bread crumbs
½ cup chopped green pepper
¼ cup butter
¼ teaspoon salt
½ cup tomato pulp
¼ cup finely chopped onion

Remove the stem end from each tomato. Take out seeds and most of the pulp. Sprinkle the insides with salt, and invert for 20 minutes to drain. Cook green pepper and onion in butter for about five minutes. Add bread crumbs, tomato pulp, salt and pepper, and fill tomato with this mixture. Place in buttered casserole, and bake in very hot oven for 15 minutes.

Corned Beef and Cabbage

4 tablespoons fat
1 quart shredded cabbage
2 cups chopped cooked corned beef
salt, pepper, vinegar

Melt fat in frying pan. Add the cabbage and corned beef. Cover tightly. Cook until the cabbage is tender, stirring occasionally.

Season to taste with salt, pepper and vinegar. Four servings.

Corn Bread

2 cups corn meal
¼ teaspoon soda
2 teaspoons baking powder
1 teaspoon salt
2 beaten eggs
2 cups sour milk
2 tablespoons butter

Sift the dry ingredients together. Add eggs to milk, and stir into the dry ingredients. Add the melted butter. Pour into a hot greased pan about eight inches square, and bake at 425 degrees for 20 to 30 minutes.

Vegetable Salad

1 head lettuce
3 medium ripe tomatoes
3 hard cooked eggs
1 cucumber
French dressing

Wash the lettuce, and place in refrigerator until crisp. Peel, and dice tomatoes. Pare cucumber, and slice thinly. Peel eggs, and slice. Place lettuce cups on salad plate. Arrange two slices tomato and two slices cucumber on lettuce. Garnish with two or three slices of egg. Cover with one teaspoon French dressing.

How to travel with kids

Planned recreation took the nightmare out of a long trip

WOULD a 5,000-mile trip back to my home in the midwest in August be a vacation or a nightmare? John, my minister husband, and I have four children, all under 10. We are not a station wagon family.

We knew we couldn't afford to stay at motels along the way. Yet I hadn't been home in eight years. We wanted our children to see and to appreciate the middle west as we do. But the thought of the long trip appalled us.

Planning is cheap and something in which the family can have a part. So right after Christmas, John got road maps. We checked our camping equipment. We discussed clothing we would need, playthings to take along. We even planned menus.

The children entered into the planning with all the enthusiasm of youth. By August nothing short of a catastrophe could have kept us home.

Perhaps the cleverest farewell gift was a canvas money bag for each youngster containing 100 pennies. The friend who gave them said the children could buy their own suckers and ice cream cones. Did they have fun? A whole dollar apiece.

Just as soon as the children began to grab one another's things or tease, Daddy would stop alongside the road and point to a sign in the distance. "See that red sign? Get out and run to it, and we'll pick you up."

Once we took advantage of a municipal swimming pool in the middle of a hot Kansas afternoon. It was a glorious restorer of spirit and body for all of us.

Keeping the girl's hair from becoming a tangled mass was one of my big headaches. So we solved that problem and created something to do at the same time. I begged part of an old sheet from an aunt of mine whom we were visiting and tore it into large squares the size of head scarves. The gals—aged three, five and nine—then proceeded to decorate them with crayons purchased with their pennies.

The oldest fringed hers and did quite an elaborate piece of work. But even the baby drew pretty flowers in the corners. The lone boy got left-over material for a handkerchief which he decorated. It kept them busy for most of one morning.

Another aunt we visited emptied out some dresser drawers for the children, who were simply enthralled. The girls were kept busy with lipstick, powder, sewing kit for hundreds of miles. Our son's alarm clock buzzed us most of the way back home. What may be junk to an adult becomes a treasure to children—especially on a trip.

Each child was allowed one doll to take along from home. It wasn't long before three dolls were relegated to the back window with the rest of the debris. But Danny's Panda-bear became more popular as the trip progresses.

Ted, the Panda, evolved into a sort of Charlie McCarthy with the children taking turns being Edgar Bergen. John and I enjoyed the antics and conversations fully as much as the children.

Perhaps the activity which took up most of the time and also proved most rewarding were the pictures the children drew of our trip. We have since put those pictures together into a scrapbook which is being sent around to the family.

These drawings are priceless—better than photographs by far. All they needed was plenty of scratch paper and their crayons.

We have pictures of Craters of the Moon, Buffalo Bill's Dam, Old Faithful, and so on. All of these pictures will bring back a flood of memories even to the baby who contributed her share. —M.M.

IT'S FUN to live on a farm where there is lots of space to play. Winetta, Jeanette, and nine-months-old Cheryl are the daughters of Mr. and Mrs. Winfried Walker, Hamilton county, Iowa.

"Ask if they can come over today," says Mrs. Delos Mott as Mr. Mott chats with one of their many friends who has phoned about seeing their new irrigating system.

Iowans irrigate to make money and telephone to save it

CAN YOU GET a good corn yield consistently from land with sandy subsoil?

Delos Mott and his son, Delos, Jr. of Hampton, Iowa think so. They believe the answer on their farm lies in fertilizing and in using high volume rotary-boom irrigation.

A combination of too little rain and sandy subsoil has burned out much of their corn in 1954 and 1955. This year Mr. Mott has been irrigating three acres at a time with a giant, portable spray —putting on an inch of water each irrigation at the rate of one-half inch per hour.

In all, they can irrigate 145 acres. Water is pumped from a spring-fed creek. They're also digging a field well which will give them a private water source.

"Our phone is a big part of the operation," says Mrs. Mott.

"When we have a machine breakdown, we always phone to locate parts instead of driving around searching," adds the senior Mr. Mott. "The time we save by finding parts quickly is just like saving money."

The telephone is important to them in finding the best market for the 500 hogs they sell yearly, too.

"And phoning the sale barn keeps me up-to-date on what cattle are coming in," says Mr. Mott. The Motts buy feeders and finish out about 50 Herefords each winter.

Farm families like yours and the Mott's each have their own time and work-saving uses for telephone service. Few things can serve farm families in so many ways — so cheaply — as the telephone. NORTHWESTERN BELL TELEPHONE COMPANY.

Above is the "business end" of the rotary-boom system — and it's wet!

Below: Mr. Mott gets plenty of water pumping power from this 220 h.p. automobile engine he salvaged from a wreck.

WAKE UP RARIN' TO GO

Without Nagging Backache

Now! You can get the fast relief you need from nagging backache, headache and muscular aches and pains that often cause restless nights and miserable tired-out feelings. When these discomforts come on with over-exertion or stress and strain — you want relief — want it fast! Another disturbance may be mild bladder irritation following wrong food and drink — often setting up a restless uncomfortable feeling.

For quick relief get Doan's Pills. They work fast in 3 separate ways: 1. by speedy pain-relieving action to ease torment of nagging backache, headaches, muscular aches and pains. 2. by their soothing effect on bladder irritation, 3. by their mild diuretic action tending to increase output of the 15 miles of kidney tubes.

Find out how quickly this 3-way medicine goes to work. Enjoy a good night's sleep and the same happy relief millions have for over 60 years. Ask for new, large size and save money. Get Doan's Pills today!

WEAVING—Women, make money weaving in your home during your spare time. Weave beautiful hand-loomed rugs, tweeds, draperies, suitings on Newcomb Loom. No previous experience necessary — easily operated. Rugs in great demand. Free illustrated catalog.

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REAL LINEN BARGAINS DIRECT FROM IRELAND

AT FACTORY PRICES

Save 25c to 50c on every dollar compared with store prices.

Linen Sheets	72"x108"	$19.75 pr.
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Pillow Cases	20"x30"	4.50 ea.
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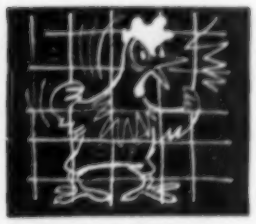
Special Quick-Dry Brown Linen Roller Towels Patterned.	17"x34"	$1.75 pr.
Linen Glass Cloths Loom state	22"x30"	79c per pair
Damask Table Cloths	70"x70"	$7.25 ea.

Other sizes and qualities in proportion. Duty averages between 12% and 15%, payable direct to postman. Send for Christmas bargain list of lovely linens, and bonus voucher.

Guarantee—goods replaced if not delighted. Sent post free by fast trans-Atlantic mail.

The Banford Bleach Works, Ltd., (Dept. W. F.) Gilford, Portadown, Co. Armagh, N. Ireland

Buy U. S. Savings Bonds TODAY!



℞ for that "Cooped-Up Feeling"

SELF-FEEDER BLOCK CUSHIONS HOUSING SHOCK

It's a smart move to put self-feeder blocks of PEX* for LAYERS on the floor when you house your pullets. Housing headaches disappear like magic the moment your birds find the blocks in their new home. Panic subsides, pecking vices are forestalled, birds settle down quickly, and they surge into production fast!

HELPS PULLETS SURGE INTO FULL LAY OF FALL EGGS

Buttermilk in PEX for LAYERS prevents housing constipation. DLW* whey fermentation vitamins protect health. HIDROLEX* quick energy keeps your flock peppy and active. Balanced milk nutrients whet appetites for mash, stimulate birds to surge into peak production of big, top-quality Fall eggs!

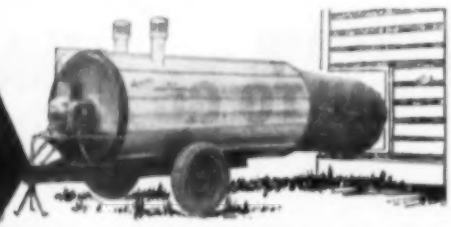
A PEX PRODUCT FOR EVERY POULTRY PROGRAM
(In self-feeder block or condensed in drums)

Pex for BROILERS
for CHICKS . . . for TURKEYS
Pex WHEY BLOCKS

C P CO

*T.M.'s for milk by-product feeds manufactured exclusively by Consolidated Products Company, Danville, Illinois

BOOST your CORN PROFITS with this Aerovent STAR DRYER



Don't depend on field drying! Pick your corn as soon as it matures, then dry and store it with assurance that it is safe from spoilage. If you sell, you can beat the market by 2 to 3 weeks. Every advantage will be yours with a safe, early harvest.

Check these features

SCIENTIFICALLY DESIGNED HEAT EXCHANGER.

A 5, 7½ OR 10 HORSEPOWER MOTOR DRIVES 36-INCH, 7-BLADE PROPELLER.

STAINLESS STEEL JET BURNER USES NO. 1 OR 2 FUEL OIL.

There's an Aerovent Fan for Every Farm Use. Shown: Model 73281 — 3 h.p.

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BOX 546, BOONE, IOWA
Please Send Me Your FREE Bulletin, "Drying Corn For Profit."
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Feeding pullets on range is Mrs. Odes Lampman of Butler county, Iowa. The Lampmans keep a large laying flock. Pullets are bought early and start laying earlier than average flock.

The farm flock

EGG PRODUCTION on Iowa farms during July totaled an estimated 371 million eggs, a record high for the month, according to the Iowa crop and livestock reporting service. This production was two percent above July, 1955, and eight percent above the 10-year average for the month.

▼ ▼ ▼

RATE OF LAY per 100 hens also set a new record for July. Average production was 1,798 eggs per 100 hens, as compared to the previous high of 1,779 eggs per 100 hens in July, 1955.

▼ ▼ ▼

HENS AND PULLETS of laying age on Iowa farms in July were the highest since July, 1951. An average of 20,638,000 hens and pullets were on farms in July this year compared to 20,750,000 in July 1951. The 10-year average is 20,420,000 and July, 1955, showed an average of 20,386,000 laying-age pullets and hens on Iowa farms.

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EGG PRODUCTION per 100 hens in the U. S. for July was 1,690 eggs. This is three percent above the July, 1955, production and nine percent above the 10-year average.

▼ ▼ ▼

SEVERAL FACTORS affect the increased rate of lay per hen for July this year. Very few extremely hot days prevented part of usual drop in egg production. A few more pullets had started to lay this July than is usually the case. And layers are bred to lay at a high rate over a longer time.

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MARKETING EGGS in Iowa is still the major problem facing producers. Eggs should be marketed at least twice a week and held at about 55 degrees on the farm before marketing. Keep humidity of egg room at about 75 percent.

EGG DELIVERY ROUTES are easily established in the larger towns. And if you deliver a top-quality egg, you will keep the customers. But egg routes are confining, and you must deliver eggs on schedule and regularly. You would be paying yourself a commission for doing the extra work. If you can use the time more profitably feeding pigs, don't try an egg route. Besides everybody can't sell his own eggs.

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CLEAN LAYING HOUSE before moving the pullets. Give the pullets a chance to produce the maximum number of eggs by giving them a clean laying house. Remove old litter. Scrape dirt off floors, walls, roosts and equipment. Scrub; rinse; then apply a disinfectant. Avoid exciting pullets when moving them to laying house. Moving them at night may help.

▼ ▼ ▼

CAN YOU AFFORD to sell the old hens if they are still laying at a pofitable rate? Cull the yearling hens, and move them to the barn, hog house, hay shed or any temporary quarters you may have available. But put the pullets in the laying house. Layers that have been bred for high production may make you a profit if you keep them a few weeks. Pullets will start laying small eggs. And the big eggs from the old hens would bring more money than the small eggs. And you may as well get all the eggs you can from the hens before selling them. If egg prices get too low, sell the hens.

▼ ▼ ▼

LARGE TURKEY CROP will be heading for market soon. The turkey industry thinks it can market them profitably. Turkeys will be competing with other meat products for the consumer's dollar. Sales promotion by poultry organizations will help move the turkeys into consumer channels.

Your Farm Is a SAFER PLACE

with

COUNTY MUTUAL FARM INSURANCE

100 YEARS OF FARM PROTECTION 1856 · 1956

Your County Mutual gives you so much more! It works constantly to help reduce hazards, hold down your insurance costs. As a member, you receive expert inspection and fire prevention service. Thus your farm is made safer, your property better protected. Contact your local County Mutual for the best in farm insurance.

FARM SAFETY HINT FOR THIS MONTH

How long since your furnace has been checked? Replace rusted smoke pipe. Be sure that draft and damper chains move freely.

This message sponsored by:
FARMERS MUTUAL REINSURANCE CO.
GRINNELL, IOWA
Serving Farm Mutuals Since 1909

So Simple and Easy to Install . . .
EVERY FARM TRUCK SHOULD HAVE IT!

Now you can have this powerful, smooth operating hydraulic hoist unit on your present truck. 3 to 15 ton models. Schwartz Uni-Link Conversion Type Hoist fits any truck, is easily and quickly installed by you without special tools or expensive labor. Features the Schwartz exclusive "ahead of center" powerful lifting action and high 50° dump angle. Light weight allows heavier payload. Also the

SCHWARTZ STANDARD UNI-LINK MODEL
Comes complete with sub-frame and long beams. High dump angle—80°

WRITE FOR DETAILS . . . SEE YOUR DEALER

SCHWARTZ MANUFACTURING CO. COMPANY
Dept. W. Lester Prairie, Minnesota

Get more CLEAN eggs with NEW NORTHCO Laying Cages

Made by A. B. Wood Mfg. Co.

■ Choose 8" or 10" size ■ Made from 14 ga. 1 x 2 mesh wire ■ Extra slope to cage bottoms insures positive egg roll out and fewer marked eggs ■ Sliding door eliminates hinges and is workable with any deck arrangement ■ Easy to assemble ■ Complete with feeding and water trough, hanging wires and turnbuckles ■ No extra parts to buy

FREE—New Cage Laying Book—Write Dept. W-2

NORTHCO, Inc. LUVERNE MINN.

KILL RATS QUICKER!

The first nibble of STEARNS' kills in minutes or hours (not days or weeks). Contains HM-75, irresistible rat lure. Doomed rats seek air, water, and die outside. Used by gov't agencies. Also kills mice, roaches, burrowing animals. **AT DEALERS, ONLY 49¢**

STEARNS' ELECTRIC PASTE

Rural Route Ramblings

BY R. F. D.

AFTER THE DEMOCRATIC convention I realized what a bunch of promise breaking rats the Republicans were. I was ready to rush to the nearest poll and vote straight Democratic.

THEN AFTER it was explained at the Republican convention what a bunch of liars the Democrats were and how the Republicans had kept all their promises, I realized how wrong I had been.

THE RESULT as far as I am concerned is that now I don't know whether I am against both parties or for both parties.

BUT IT will never cease to amaze me how each party can take the same facts and figures and prove absolutely opposite things by them. Sometimes you wonder if they are talking about the same country.

REGARDLESS of all the hot air, pomposity and showmanship involved it seems to work out rather well and we always manage to get a pretty good man for President.

IT IS AMAZING how literally children take things. Some times I think they are far more perceptive than adults and look at life in a more sensible, realistic manner.

WE DROVE out to Nebraska a few days ago. And on the way back stopped at a restaurant for dinner.

IT WAS a rather swanky place with a very elaborate menu. The 12-year-old was quite anxious to show he was just as sophisticated as the place was.

HE EYED the waitress after checking the menu for the most expensive items. "Are french-fried potatoes in season?" he inquired politely.

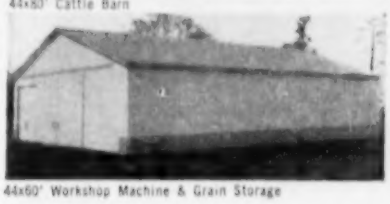
WHILE she assured him they were I checked the menu to see whether he was crazy or I was. But there it was . . . "Vegetables . . . in season." And everybody was happy.

"Okay. So he is dreamy and romantic looking. I'd like to see him after he's been out slopping hogs all day."

PLAN YOUR POST-FREE LOW-COST FARM BUILDINGS NOW!

44x60' Farm Machine Storage

44x60' Cattle Barn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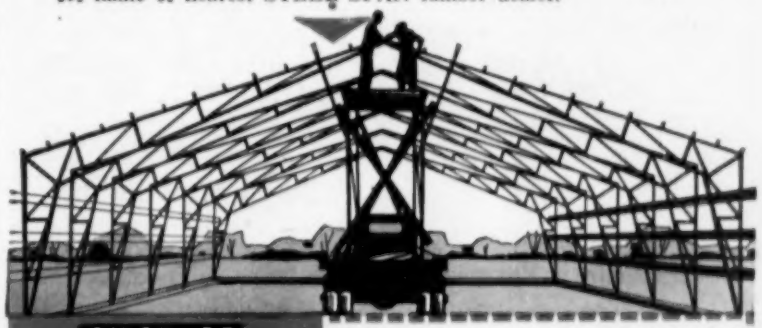
Whether it's a cattle barn, milk house, storage building or shop . . . you're sure of *100% usable space* when you plan with Cuckler STEEL SPAN complete packaged farm buildings. Fast and easy to erect . . . strong and weatherproof . . . attractive, yet economical. Standard widths 32' and 44', any length. Mail coupon today for folder showing actual installations and describing details . . . and for name of nearest STEEL SPAN lumber dealer.



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Complete Packaged FARM BUILDINGS
CUCKLER MFG. CO.
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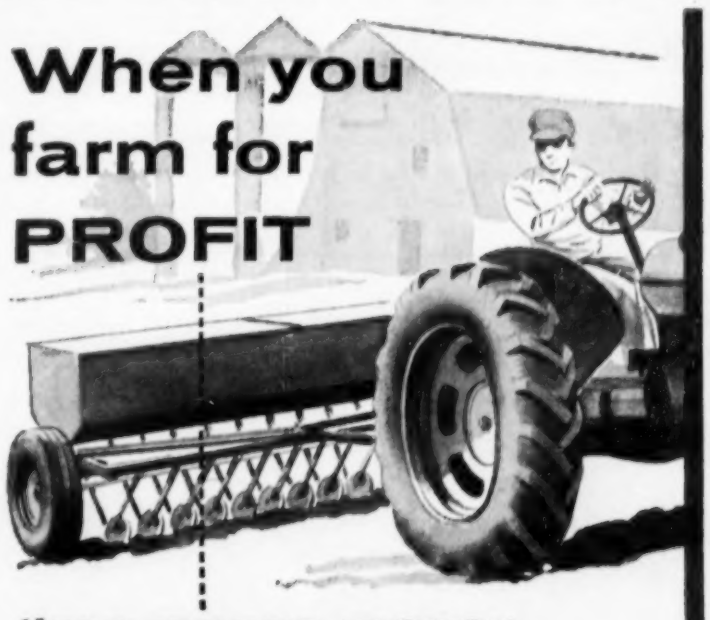
When you farm for PROFIT



time means money to you... Here's the most concentrated nitrogen fertilizer...45%...This means much less handling, smaller storage space, more nitrogen in your hoppers and fewer stops in the field. You'll like these round rolling Prills that flow freely in any kind of equipment. That's time saving...that's money savings to you. You get going when you get...

Grace 45% nitrogen Urea Prills

Grace Chemical Co., Edway Bldg., Memphis, Tenn.

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For a Fine Variety of Programs

- **FARM SERVICE**
  "Breakfast Time RFD" 5:30 - 7:30 AM
  "Dinner Time RFD" 11:45 - 1:00 PM
- **ABC NETWORK FEATURES**
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  Serial Drama 10:15 - 11:45 AM
  News Commentators 7:00 AM, 6:00 PM
  Pabst Blue Ribbon Fights 8:05 PM Wed.
  "Voice of Firestone" 7:30 PM Monday
  Milton Cross - Music 9:05 PM nightly
  Special events, such as National Election
- **NEWS**
  At 5:45 AM, 6:45 AM, 8:00 AM; 9:55 AM, 11:50 AM, 12:50 PM, 6:15 PM, 7:25 PM, 7:55 PM, 8:25 PM, 9:25 PM, 9:55 PM, 10:25 PM, 10:55 PM, 11:55 PM
- **WEATHER & ROAD REPORTS**
  At 5:55 AM, 6:25 AM, 7:15 AM, 8:15 AM, 11:45 AM, 12:45 PM, 5:40 PM, 6:20 PM, 11:00 PM . . . as well as frequent spot summaries.
- **MUSIC**
  Good easy listening music throughout the daily schedule.
  "Music Your Way with Ed Montray" 2:00 - 5:45
  "Western Parade", Paul Nelson, 7:00 - 8:00 PM
- **SPORTS**
  Seasonal broadcasts of baseball, football, basketball for the Iowa area and from ABC.
  Daily sports summaries at 5:50 PM, 6:25 PM.
- **AUDIENCE PARTICIPATION**
  "Trading Post", Paul Nelson, 1:00 & 6:30 PM
- **HOMEMAKERS**
  "Around Town with Janie Anderson" 8:20 AM
  "Kitchen Klatter" 11:00 AM
- **SPECIAL EVENTS**
  KIOA is always there at events like the State Fair.

DIAL 940 FARM & HOME RADIO **KIOA** Des Moines

Albert Hain, manager of the Farmers Cooperative Association in Winterset, Iowa, is shown above in the feedlot of W. A. Busch. "Like most of the progressive farmers in this area", says Hain, "Mr. Busch sticks to a FELCO Feeding Program. If you want more profit from your livestock, see the manager of your local farmers cooperative. Get on a FELCO Feeding Program."

READ THE ADVERTISEMENTS—THEY'RE NEWS OF WHAT'S NEW

Salt feeder on the R. E. Anderson farm, Sac county, Iowa, turns with wind. This keeps rain out and salt dry.

New Treatment For Mastitis

Newest treatment for mastitis is a combination of three antibiotics and a drug called hydrocortisone.

The antibiotics — neomycin, molymyxin and penicillin — attack the organisms which cause the infection. And the hydrocortisone combats the inflammation caused by the infection. The new compound is known as corbiot.

Veterinarians, however, emphasize the fact that individual treatment of infected cows is not the final answer in controlling mastitis—no matter how effective drugs may be.

Proper sanitary precautions against re-infection are essential. Ample bedding, adequate stalls and well drained barnyards are required.

Veterinarians say a herd survey should be made as soon as mastitis strikes a single cow. Many cows, they point out, spread infection without showing outward signs of the disease.

Control of mastitis depends on the vigilance with which herd infections are discovered, isolated and cured.

Beware Of Gases In Silo!

Fermentation of forage sometimes produces gases which can be harmful to workers in a silo.

Carbon dioxide may accumulate at the surface of silage in quantities sufficient to suffocate a person working in an upright or pit silo. This gas is colorless ad odorless, and not readily detected.

Another gas, nitrogen dioxide, is sometimes produced as the result of fermentation of nitrates in the forage. It has a yellow color. And it may accumulate at the bottom of a silo chute if the door is kept closed.

So it's wise to take precautions before entering a partly filled silo. Ventilate the silo and chute by running the blower fan for several minutes, by removing doors down to the level of the silage or by use of electric fans.

Memo to Dairy Farmers

One of the important reasons for the growth of the American Dairy Association can be expressed in two words:

WORKING TOGETHER

Dairy Farmers, working together, have taken long strides on the road to sales. They've accomplished this through a sales and advertising program conducted in magazines, newspapers and on television that no farmer, group of farmers, or state could have developed alone.

By **working together**, dairy farmers have been able to put to use the four powerful tools modern business relies on to sell its products: research, advertising, merchandising and public relations.

The power and efficiency of this sales program is clearly demonstrated by Disneyland TV through which the American Dairy Association reaches up to 50 million people in one week. These customers for your milk are reached at the low cost of about 12 people for one cent.

The Association program must sell customers for dairy foods every day, year-in, year-out. Just as selling is continuous, so must be support of the program.

No dairy farmer invests in the program against his will. Working together, dairy farmers share voluntarily the responsibility for building stronger markets for dairy foods.

Support your American Dairy Association year around set aside of 2c per hundred weight of milk or ½c per pound of butterfat marketed.

Your Road to Sales

AMERICAN DAIRY ASSOCIATION
20 North Wacker Drive, Chicago 6, Illinois

NEW HOIST FOR LIGHT TRUCKS!

Low cost way to make a handy dump truck out of your ½, ¾ and 1 ton trucks.

Here is an Anthony hoist with new lightweight — new simplicity and new twin power. Eliminate many back-breaking jobs. Now you can dump instead of shovel all kinds of loads and let the truck engine do the work. Fits under "pick-up", stake and grain boxes. Model S33 — 3 ton cap. — Model S44 — 5 ton cap. Write for free literature.

Sold by these Authorized Distributors or Local Truck Dealer

DES MOINES, Hawkeye Truck Equip. Co., 9th at Keo Way
MOLINE, ILL., Moline Body Co., 222 52nd St.
OMAHA, NEB., Badger Body & Mfg. Co., 2719 Cuming St.
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ANTHONY HYDRAULIC — ANTHONY COMPANY, Streator, Illinois

WE SPECIALIZE IN FARM BUILDINGS
=BARNS =MACHINE SHEDS
=POULTRY HOUSES
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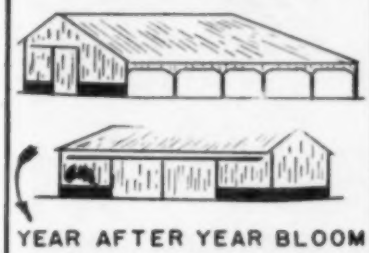

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BECAUSE WE SATISFY OUR CUSTOMERS WITH
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USE OUR EXPERIENCE TO SAVE YOURSELF TROUBLE & MONEY

FOR FREE INFORMATION CALL OR WRITE
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just out!

Bowsher "Grind-All" Burr Mill gives coarse to fine grind for cattle, hogs or chickens. One set of burrs does every grinding job—no changing of burrs, screens or equipment. Quick, easy handwheel adjustment for any size grind. Mill produces a highly palatable, uniform granular grind without dust.

Built Low To Ground

Hopper is only 30" off ground on rubber tires. Slip clutch eliminates breakage—no magnet needed. Bowsher "Grind-All" Burr Mill grinds up to 170 bu. an hour at 550 rpm—225 bu. at 1100 rpm. Double auger elevator handles high moisture corn and mixes supplements with grain. 8 ft. elevator—spout turns in full circle. Fully guaranteed by Bowsher Company . . . specializing in the manufacture of precision built burr mills since 1882.

FREE SAMPLES OF UNIFORM GRIND AND ILLUSTRATED LITERATURE

The N. P. Bowsher Co., Inc.
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South Bend, Indiana

OK! . . . Send me FREE grind samples and all the facts about this new "Grind-All" Burr Mill

Name .....

Address .....

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Name of my favorite Implement Dealer:

.....

Town.....

"Thermopane windows, insulation, ventilation — no hens were going to live better than me."

Research Points

A RARE substance, gibberellic acid, can double or triple the height of many kinds of plants. The chemical shows promise as a growth regulating chemical, United States Department of Agriculture workers say.

VALUE of farm machinery is estimated at 17.7 billion dollars. That is five times the investment in the automobile industry.

HOW FAR can a house fly fly? Studies show that individual house flies may travel 15 to 20 miles from their release point. However, most house flies stay within two miles of their birth place.

FIGURE on 100 gallons of water per day for each child under two years old if you have an automatic water system. But drouth area folks know you can manage to get by with a lot less than that.

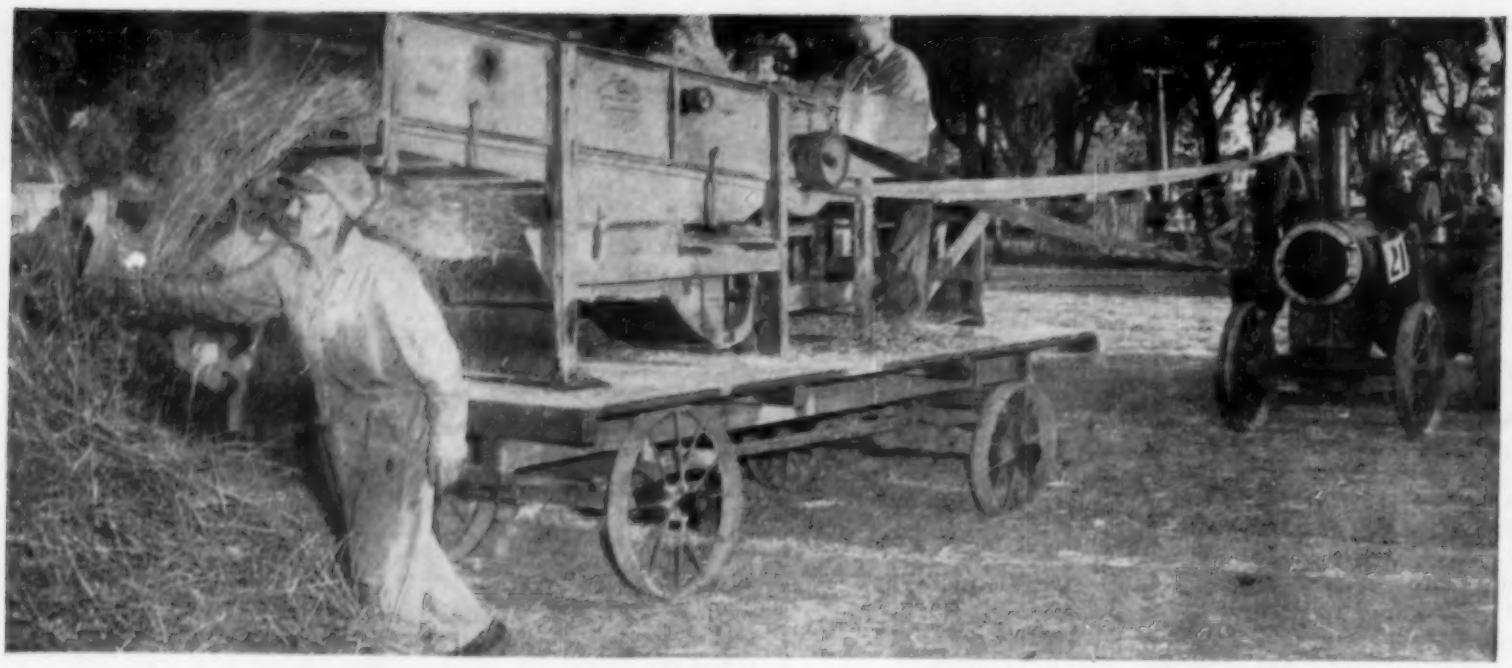
PELLETED FERTILIZER has an extra benefit on highly acid soils. The phosphorus is not tied up by the soil as fast as with powdered fertilizer.

COST of each kilowatt hour of electricity used on farms ranged from a high of 3.5 cents in west north central states down to 1.8 cents in the Pacific coast area.

ABOUT 169 million pounds of butter were churned on nearly a million farms last year. More than a third of that was in Alabama, North Carolina, Mississippi and Tennessee.

PLASTIC is now being used for bandaging animal wounds. Aeroderm is the brand name of a spray-on plastic dressing now being sold by Aeroplant Corporation. The transparent, waterproof film sticks to the healthy, dry skin area around the wound, but not to raw wound surfaces.

OWN A LONG-HAIRED dog? Many cases of disease or infection of the ears in certain long-haired dogs could be prevented by having a veterinarian remove excess hair and accumulated ear secretions and debris.



Here's how Grandpa threshed. At Mt. Pleasant, Iowa, this hand-fed Ellis Champion—built in Pennsylvania in 1873—was demonstrated. It's being pulled by a six h.p. Nichols and Shepard steam enigne built in 1885. Both machines are owned by Ray Ernst.

They show our past

AGAIN this year, midwest farmers will have a chance to see part of agriculture's past come alive.

That chance will be at the seventh annual reunion of the Midwest Old Settlers and Threshers Association at Mt. Pleasant, Iowa, Sept. 5-8.

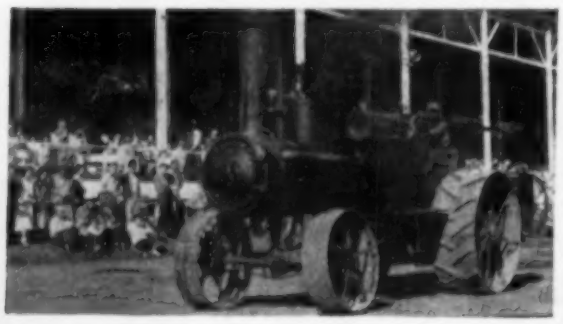
Pictures on this page were taken at previous reunions of the association.

Some 50 steam engines will be in operation, according to the association. There'll be a display of antique cars, too, and old time implements.

But the big attraction is those big steam engines. Even in this age of atomic power, people thrill at the sight. Big and clumsy tho they were, steam engines set in motion the farm mechanization trend that continues today.

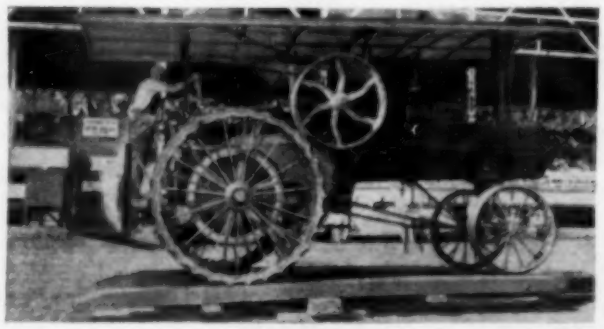
Bundles were cut by hand. Grain was dumped into half-bushel measures. This is same machine as at top of page.

This "team" won't shy from the threshing machine. It's a LaCrosse tractor which is driven with lines like a team of horses. When lines are slack, tractor goes ahead. Pull both lines, and tractor stops. Pull lines all the way back, and tractor goes into reverse. Pull one line for turning. This machine is demonstrated at Mt. Pleasant.



Left: Crowds still love to watch the big steam engines. This is a Wood Bros. engine driven by Harold Anderson, Washington county, Iowa.

Below: Balancing a big steam engine on a teeter-totter. That's what Peter Bucher, Jefferson county, Iowa, is doing with his Port Huron 19-65 h.p. engine.



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Grain and Roughage Mill
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Trailer Mounted for Power Take-off Has traveling feed table and is especially designed for grinding or chopping larger quantities of loose or baled hay and roughage of any kind. Furnished either with or without Trailer Mount and Power Take-off. Both cutter knives and heavy swing hammers—it grinds any feed, green, wet or dry, snapped or ear corn, roughage bundles or baled flakes, with ordinary farm tractor—and no monkey business. Get full information on real honest-to-goodness grinding outfits. Write for complete details.

..also a BEAR CAT Tractor Hoist
Better than a Hired Man

The handiest and most practical lift you have ever seen or used for dumping corn or grain wagons, unloading and loading machinery, pulling out fence posts, stretching wire, lifting heavy objects, and a thousand and one other farm jobs. Simple in construction, quick to attach and detach. For tractors equipped with hydraulic pumps. Light in weight, leave on tractor. Does not interfere with take-off drive or hitch.

For full information about either Bear Cat product described here and name of dealer nearest you — Write us today. No Obligation.

Western Land Roller Co., Dept. 172-35
Hastings, Nebraska — Manufacturers

Use d-CON as directed and
GET RID OF RATS AND MICE FOREVER!

You don't have to be an expert—anyone can use clean, odorless d-CON!

Don't gamble with the 27 dread diseases known to be carried by rats and mice. End property loss, food contamination and risk of fires caused by these vicious rodents. Follow simple directions and d-CON is safe to use around children and pets yet so effective it rids your property of rats and mice forever! Get d-CON today! Stop rat disease and destruction NOW!

d-CON with LX3-2-1 works where traps and poisons fail

Rats are smart. As soon as one or two are caught in traps or killed by poison, the rest of the rat colony becomes bait-shy. Because d-CON is odorless, tasteless, and causes no pain, rats and mice never realize that d-CON with LX3-2-1 is causing their death.

d-CON IS GUARANTEED TO RID YOUR PLACE OF EVERY RAT AND MOUSE IN 15 DAYS—OR MONEY BACK.

Get d-CON at drug, grocery, hardware or department stores.

Get the Most for Your Money with famous MEYER portables. 3 sizes —10", 18", and 20". Galvanized steel sections . . . heavy duty double steel chain. Roller bearings throughout. 8' or 10' tilting conveyor (hopper or bale chute optional). Elevate corn, small grain and baled hay.

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MEYER MFG. CO.
Box 3565 Morton, Illinois

VAC-A-WAY
SEED CLEANER & GRADER
GRADES WHILE IT CLEANS
Removes dirt, stems, and unwanted weed seeds. At same time separates cleaned seed into TWO GRADES. Breed up your seed. Make planting easier — stand evener — plant only choice kernels of uniform size. IMPROVE YIELDS.
VAC-A-WAY cleans oats, wheat, barley, soybeans, clover, lespedeza, alfalfa, etc.
FARM & CUSTOM sizes. Electric, gasoline, and hand models.
J. W. HANCE MFG. CO. Westerville Ohio

List All-Iowa Fair Winners

EL JON FARM of Rose Hill, Iowa, captured both championships in the large Angus show at the All-Iowa Fair last month in Cedar Rapids.

Reserve champion Angus bull was shown by Pagemere and Arlavon, Clarinda, Iowa. Kentridge Farms of Muscatine, Iowa, had the reserve female.

W. C. Anderson and Son of West Liberty, Iowa, showed both champions and both reserves in the Shorthorn show.

And A. J. Minish and Sons of Dysart, Iowa, made a clean sweep of the Hereford show—showing champions in all classes.

Exhibitors of grand champion animals are listed:

DUROC—Champion boar and champion sow, Gerald Nevins, Tipton.

HAMPSHIRE — Champion boar, Andy Siefker, Belle Plaine; champion sow, C. W. Smith, Mt. Vernon.

BERKSHIRE — Champion boar, Milo Wolrab, Mt. Vernon; champion sow, Marvin Elliott, Central City.

CHESTER WHITE — Champion boar, Walter Schminke and Son, Van Horne; champion sow, R. E. Williams, Iowa City.

POLAND CHINA — Champion boar, O. J. Hess and sons, Worthington; champion sow, Helgens Brothers, Monticello.

YORKSHIRE—Champion boar and sow, L. M. Peters, Marion.

LANDRACE—Champion boar and champion sow, Harold Mears, Jefferson.

TAMWORTH—Champion boar, Ed Masteller, Independence; champion sow, J. H. Jones, Ainsworth.

HEREFORD swine—Champion boar, John Schulte and Son, Norway; champion sow, Herbert Schulte and Son, Norway.

AYRSHIRE — Champion bull and champion female, Howie Lang and Sons, Brooklyn.

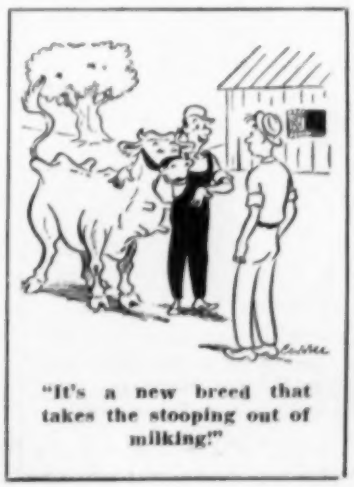
BROWN SWISS — Champion bull, John C. Schulte and Sons, Norway; champion female, Ralph Bright, Eldora.

GUERNSEY — Champion bull and champion female, Harry and Robert Lage, Davenport.

HOLSTEIN — Champion bull, W. A. McAlpin, Villisca; champion cow, I. P. Stewart, Maynard.

JERSEY—Champion bull and champion cow, Bert and Clifford Sams, Beaman.

MILKING SHORTHORN—Champion bull, Don Hoover and Sons, Norwalk; champion female, Dale Converse.



"It's a new breed that takes the stooping out of milking!"

NEVER BEFORE . . . SUCH
BIG SAVINGS ON VICTOR CATTLE FEEDS

IT'S THE GREATEST PROFIT-MAKING OFFER TO CATTLE FEEDERS IN YEARS

Your VICTOR dealer is ready NOW . . . to tell you how you can make a BIG saving on your Cattle Feeds. NEVER BEFORE — has there been such a timely feed cost MONEY-SAVING DISCOUNT OFFER as this one.

In addition — you are feeding those famous VICTOR CATTLE FEEDS that have established outstanding year-after-year performance and economy records for ranchers and cattle feeders.

See the VICTOR dealer near you, now. Every day you delay is costing you money.

WIN A 1956 UNIVERSAL JEEP OR A FINE STETSON HAT

Universal "Jeep" Model CJ-5 Manufactured by Willys Motors, Inc.

All you have to do . . . is to suggest a name for the new VICTOR CATTLE FEEDS line. For example: VICTOR BEEF BUILDER CATTLE FEEDS . . . VICTOR TOP 'EM ALL CATTLE FEEDS . . . VICTOR FIRST-FOR-PROFIT CATTLE FEEDS. See how easy it is! Submit as many names as you want. Get your entry blank at your VICTOR dealer or write to THE CRETE MILLS, CRETE, NEBRASKA. There's nothing to buy. There's nothing else to do. There's no obligation. Remember — you can win a UNIVERSAL JEEP or one of 20 FINE STETSON HATS in the popular "Open Road" style. All names must be submitted by November 1, 1956, and the decision of the judges is final. So — get busy, NOW!

THE CRETE MILLS CRETE, NEBRASKA
A Division of the Lowell Grain Co.

You get more corn from FARMERS because:

1 Advanced research methods develop better performing, more advanced hybrid varieties.

2 Strong germination. Newest and best coating known in seed corn industry protects kernels.

3 Drouth resistance. Stronger, deeper root systems that get the moisture and helps standability.

4 High yield. Consistently produces more bushels per acre . . . the most your land is capable of producing.

IN 1956, MORE FARMERS HYBRID SEED CORN WAS PLANTED THAN EVER BEFORE!

Your local Farmers dealer is taking orders now for 1957 delivery. He has varieties adapted to your farm. Call him, or write

FARMERS HAMPTON IOWA

HYBRID SEED CORN CO.

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with the **permanent K brand**

Building or repairing a fence?

Write for this useful handbook which gives step-by-step details on how to make a better and stronger fence that will "stay put" for a lifetime!

Want a low cost building?

Write for the Koppers Easy-to-Build Plans Catalog which details 12 efficient, low-cost, pole-type farm buildings you can erect yourself with ordinary tools.

Write 1450-A Koppers Bldg., Pittsburgh 19, Pa.

WOOD PRESERVING DIVISION

POSTS and POLES

KOPPERS COMPANY, INC., PITTSBURGH 19, PA.

QUIPS AND QUOTES

NO WONDER the poor guy talks so much—his father was a livestock auctioneer and his mother was a woman.—Corn Belt Lamb Feeder.

TOO MANY PEOPLE get worked into a lather over a little soft soap.—Schaller Herald.

EXPERIENCE MAY BE the best teacher, but nobody can wait that long.—Decorah Journal.

THE OLD TIMER sez "Maybe money can't buy happiness, but it'll help you get some fine synthetics!"—Mallard Leader.

SOME MOTORISTS BOAST about the number of times they get out of tight jams. Good motorists don't get into tight jams.—Gowrie News.

THE TOUGH TIME comes when temptation avoids you.—Algona Advance.

IF WE COULD SEE ourselves as others see us, we'd realize how deceiving appearances can be.—Walnut Bureau.

WHEN A MAN is wrapped up in himself he makes a mighty small parcel. . . .—Iowa Agriculturist.

YOU CAN USUALLY count on a friend until you need some money.—Neola Gazette-Reporter.

LENGTH OF LIFE depends less on the star you were born under than the color of the traffic light when you cross the street. —Dayton Review.

THE MOST IMPORTANT person of the hour is the one who makes you feel important.—Decorah Public Opinion.

SUCCESSFUL COMEDIANS are evidence that making a fool of yourself isn't so bad if you know how to do it.—Record-Herald and Indianola Tribune.

OL' GRANDAD says: Be kind to your friends. If it weren't for them, you would be a total stranger.—Iowa Farm Equipment Retailer.

"Those old boys had it pretty soft. No gates to open, no highways to cross, and no income taxes to pay."

PATRONAGE DIVIDENDS on FOXBILT FEEDS

Now you get valuable Patronage Dividend stamps with every bag of Foxbilt Feeds. Most valuable stamps you ever saved. Hundreds of Free gifts. Ask your Foxbilt dealer for a Free premium book listing 219 gifts you can get with Foxbilt Patronage Dividend Stamps, or write for a free copy.

FOXBILT FEEDS
DES MOINES, IOWA

Lumbermen who depend on horse power...depend on

ABSORBINE

● In the Maine woods, horses can't be beat for yarding logs. And the men who run these operations know there's no liniment for horses more effective than dependable Absorbine.

A finishing rub with Absorbine can prevent lay-offs due to galled shoulders or sore necks. By treating bruises and swellings with Absorbine early, it's possible to prevent a more serious case of ringbone or bog spavin. Does not blister skin. Only $2.50 for large bottle at all druggists.

W. F. Young, Inc., Springfield, Mass.

HENKE POWER TAKE-OFF CORNSHELLER DRIVE

Fits M. M. Model E or John Deere No. 6. Can be adapted to fit any make corn sheller. Heavy duty gears and chain drive. Uses Tractor P.T.O. No slippage. Does top job economically.

HEAVY DUTY ROLLER MILL

Truck or Trailer Mounting. New! Run by power take off, motor or tractor belt. 4 sizes. Finest workmanship.

Write for literature and prices

HENKE MFG. CO., Columbus 5, Neb.

UNLOADS WAGONS FASTER!

FULLER hydraulic wagon dump

Dumps wagons quickly . . . easily. Goes higher . . . Lifts front of wagon box up to 8½ ft. from ground. Requires ¼ fewer strokes than ordinary, slower dumps. Fuller Hydraulic jack easily removed for other uses. Easy to set in place and operate.

See Your Dealer or Write

FULLER Manufacturing Company

DEPT. 1384 CENTERVILLE, IOWA

Making silage calls for proper adjustment of your chopper. Otherwise, you can run up unnecessary fuel and repair bills. See article below for pointers.

Chopper needs sharp knives

Sharp cutting edges will save you fuel and wear; here are tips on adjustment

YOUR forage harvester, or chopper, is a sensitive machine. And it has a big job to do.

When you consider how many pieces of chopped material go into a wagon load of chopped silage, you can see why it takes a lot of fuel to power those slicing actions.

Yet, if you keep your chopper knives sharp and in proper adjustment, you can save both fuel and chopper wear.

Here's what proper chopping is —SLICING. You know how hard it is to cut burlap with a dull scissors or one that has a loose joint and lets the cloth slip between the blades.

And even when you hold the scissors blades together, it's hard cutting if blades are dull.

That's exactly the reason you can save a great deal of fuel when you chop hay or silage. You need to:

1. Keep cutting edges sharp.
2. Keep shearing edges sharp.
3. Keep cutting edges properly adjusted to the shearing surface so that the material will be sliced off instead of being torn apart.

Whether you have the flywheel type or the cylindrical type machine, the problem is basically the same: a scissors action.

On most flywheel type machines, you must remove the knives for sharpening. But it is often possible to get a simple little attachment for your tractor so you can grind them right in the field.

Some cylindrical type machines have available a knife sharpening attachment that allows you to sharpen the blades right in the machine. This should encourage you to sharpen them often, since you can do it without taking things apart.

In addition to the rotating knives or blades, you must consider the stationary knife—or the shearing surface against which the material is held and sliced off. This edge must be maintained too. Your scissors have two sharp edges. How do you think they would work if one edge were dull and the other sharp?

Again, individual machines have variations in construction. But they all have the same basic job to do. And they use a moving knife to cut material against a stationary surface. Your manual will have specific advice about maintaining yours.

Once you have the blades and the shearing surface sharp, you are ready to adjust the clearance.

This means how close the knife comes to the shearing surface as it moves past. Ideally, it should almost "rub", as your scissors do. But, of course, with a high speed machine as large as your chopper, this is not practical.

So the clearance is held as small as possible and still kept workable—usually a few thousandths of an inch.

Here again, machines vary. But don't be surprised at a specification of 10, 15 or 20 thousandths of an inch—.010, .015, .020.

That is pretty fine adjusting, and you almost have to use a feeler gage. But it is important, because it helps your machine do a better job of cutting, and with less power. This means lower fuel costs, and less general wear and tear.

Gradual loss of sharpness will fool you—you won't realize how bad those edges were until you get them back up in shape again. Your only protection is to sharpen and readjust regularly.

One other consideration is important—balance of the cylinder or flywheel. Some machines use blades that come in matched pairs. Your manual will tell you if this is important on your machine. If so, be very careful.

Imagine, if you can, trying to find three well-matched pairs of blades out of a pile of six. By trial and error. Putting them on, running, checking for vibration, and then trying again. But since vibration can cause lots of trouble in a hurry, this is very important. So when changing blades to adjust for length of cut of material, or sharpening, watch for the pairs. Don't get 'em mixed.

NEW! Walsh Air-Flo "LONG-TYPE" ALL-STEEL CORN CRIB

ANOTHER WALSH FIRST! 20% FASTER DRYING ASSURED

- Increase capacity anytime by simply adding sections
- Double XX all-steel construction — heavy 2" x 4" wire mesh
- Heavy arched type, 24-gauge galvanized roof
- All corn less than 58 inches from outside air

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Walsh arch roof design — with convenient hinged filler holes every 9 feet, provides bonus storage space. Crib will positively shell out its rated bushel capacity. Available in any desired capacity from 800 bushels to 8000 bushels or over.

CRIB HEADQUARTERS

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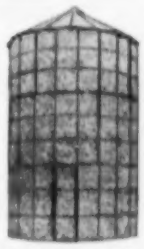
Walsh STANDARD CORN CRIB



Extra rugged — really built to last. Framework — 1½" and 1¼" rail steel angle iron. Heavy galvanized roof. No holes to drill. Sturdy 6-foot door. 700 and 1000 bushel capacities.

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Combines will soon be back in the fields harvesting a record high acreage of beans. This is Lance Rowley, Floyd county, Iowa, harvesting his 1955 beans.

See surplus of soybeans

Expect prices on this crop to average under loan value of $2.15 per bushel

SOYBEAN growers are heading for trouble. Present crop is extremely large. Prices will be down from last year, and we'll probably develop a surplus in government hands.

That prospect is seen by T. A. Hieronymous, farm economist at the University of Illinois. He spoke at the convention of the American Soybean Association held at Urbana, Illinois last month.

Probable bean prices, chances for bean exports, and a check-off method to raise money to promote soybean uses got particular attention at the meeting of bean producers and processors.

What price for this year's bean crop? After reviewing the situation for beans, oil and meal in the next year, Hieronymous made this prediction:

"If I have to pick one single price as the most likely average for the year October 1956 thru September 1957, I will say $2.10 per bushel at east-central Illinois points, bid to farmers."

That would mean around $2.05 to farmers in the western Corn Belt. Or about 10 cents under the government loan of $2.15 national average.

Reason, of course, for lower bean prices than last year is the very large crop in prospect. August 1 estimate was for 443 million bushels, nearly 20 percent above last year and 75 percent above the 10-year average.

But can't exports be increased enough to take care of our record bean crop? Trouble was expected last year, but didn't develop because of increased exports of beans and oil.

Convention speakers dealt with possibilities for increasing exports again this year. One opportunity is thru Title 1 of what is known as Public Law 480.

This part of the law allows sale of farm products, if in surplus, for foreign currencies. Last year over 700 million pounds of soybean and cottonseed oil was sold under PL 480. No beans, however, were sold under the plan.

For this year, congress doubled the appropriation for PL 480 sales. Three billion dollars will be available instead of 1.5 billion last year.

Will PL 480 hold up the oil and bean market in the year ahead? Here's the statement of Gordon O. Frazer, assistant administrator of the Foreign Agricultural Service.

"It is too early to be definite" said the official. But "we will use PL 480 sales to the fullest extent justified."

Hieronymous was less cautious than Frazer. He said he didn't think optimism about sales of bean products under PL 480 this next year are altogether justified. He gave these reasons:

It is real money foreign countries spend under this plan even tho it is not dollars.

Besides, other countries can pick and choose among our surplus products when they spend their allocations. And there's a long list of surplus products.

With increased production of fats and oils in foreign countries, and less genuine need, our exports might decline. He pointed to increases of production over last year in both Europe and South America.

But PL 480 will undoubtedly be a factor again in the bean market. Government doesn't want to take over sealed beans. Still it's very doubtful if PL 480 alone can clear the bean market again.

The possibilities in bean exports to Japan were considered at the convention. Five Japanese men were present and outlined the need for beans in Japan and

(Continued on next page)

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3,000 lb. capacity. Excellent condition. Wrap around trailer for easy transporting optional. Phone or write: Ranger Equipment, Delphi, Indiana.

See surplus of soybeans

(Continued from last page)

the conditions under which they would buy them.

Beans are human food in Japan. Therefore, they want clean beans, free from discoloration.

So far, the Japanese said, American beans have been of lower quality than beans from Communist China.

And they stated plainly that they wanted to buy beans where they could get the quality they want at the best price.

Last year, we held the Japanese market pretty well. Japanese imports were about three-fourths American, one-fourth Chinese.

There's a big market for beans in Japan. But it isn't certain that we can hold it. Chinese producers will be a constant threat to our sales there. The threat will get stronger unless our exporters can ship the Japanese a better quality of beans than in the past.

So there are big marketing problems ahead for soybean growers. What can bean growers and processors do to solve them?

George Strayer of the American Soybean Digest presented the plan of the Soybean Council of American, Inc.

This is the check-off system something like that used by the National Livestock and Meat Board. And much the same as the proposed livestock checkoff.

Voluntary contributions of one-tenth cent per bushel are asked from producers. This would be 10 cents per 100 bushels or about $1.50 per carlot.

Soybean processors will serve as receiving agencies and the money will be spent for promotion of soybean production and marketing by the Soybean Council of which Howard L. Roach of Plainfield, Bremer county, Iowa is chairman.

The council has hopes that farmers will contribute and that the money can be used to stimulate exports and domestic use of beans, thus keeping soybean growers out of surplus troubles.

"You can just stop pestering me, Wayne Matthews! I never want to see you again!"

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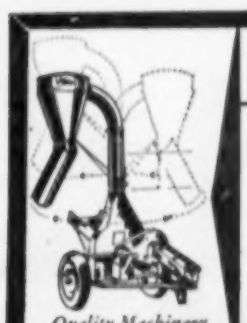

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Lock-jaw is one of Iowa's treacherous killers. It is fatal to 80 to 100 percent of the persons whom it strikes—depending on the length of time between injury and the beginning of the disease.

A rusty nail is not the only means of contracting lock-jaw. It may strike through any injury which breaks the skin.

Lock-jaw spreads by tiny particles called spores. These spores can be found in soil, street dust and barn yards. They can live for years and grow in a cut or puncture wound to cause this deadly disease.

The only way to control lock-jaw is by immunization. But to be completely effective, it must be done before injury. This immunization gives some protection for the many small injuries which require little or no attention, but could mean death if lock-jaw would develop.

Immunization is advised in infancy or early childhood with the "baby shots". Adults who have had no previous immunity require two shots which are given at intervals of three to six weeks. After this has been accomplished, all that is required is a simple booster shot at the time of injury, or every five years.

If you happen to receive an injury and have had no previous immunity, you should go to your doctor. There is a temporary protection which can be given.

It's best, of course, to be immunized against lock-jaw ahead of time so that you can be prepared for the dangerous small injuries which are inevitable. Remember: The wise family is an immunized family!

Articles in this series are presented by the Health Education Committee of the Iowa State Medical Society.

"This will teach you to stay out late leaving me at home defenseless and unprotected."

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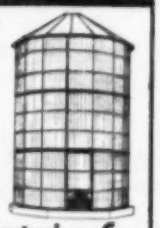

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DUROC—Champion boar, Henry E. Kruell, Buffalo Center; champion sow, Lyle Barkema, Goodell.

POLAND CHINA—Champion boar, Milton Charlson and Son, Lake Mills; champion sow, Paul J. Huinker, Ridgeway.

YORKSHIRE—Champion boar, M. J. Kerstens, Northwood; champion sow, Guy Gates and Son, Waverly.

CHESTER WHITE—Champion boar and champion sow, Roger Claypool, Chapin.

BERKSHIRE—Champion boar, Golden Glow Farm, Ionia; champion sow, Marilyn Swancutt, Charles City.

SPOTTED POLAND—Champion boar, Lloyd Humphrey, Clear Lake; champion sow, Donald Engh, Kanawha.

HOLSTEIN—Champion bull and champion female, Gerlach Farms, St. Ansgar.

GUERNSEY—Champion bull and champion female, Hank Brothers, Winnebago, Minnesota.

AYRSHIRE—Champion bull, Kenneth Hanson and Son, Dows; champion female, B. C. Stephenson, Riceville.

JERSEY—Champion bull, Harold Massee, Nashua; champion female, G. William Glad, Stratford.

BROWN SWISS—Champion bull, H. D. Pedelty, Mason City; champion female, Norman Backhaus, Manly.

MILKING SHORTHORN—Champion bull, Mysha Farms, St. Anthony; champion female, Shady Lawn Farms, Estherville.

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14' silo 11.95
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RAVEN covers for trench and bunker silos available. Write for prices.

Ask your dealer or order direct

RAVEN INDUSTRIES, INC.

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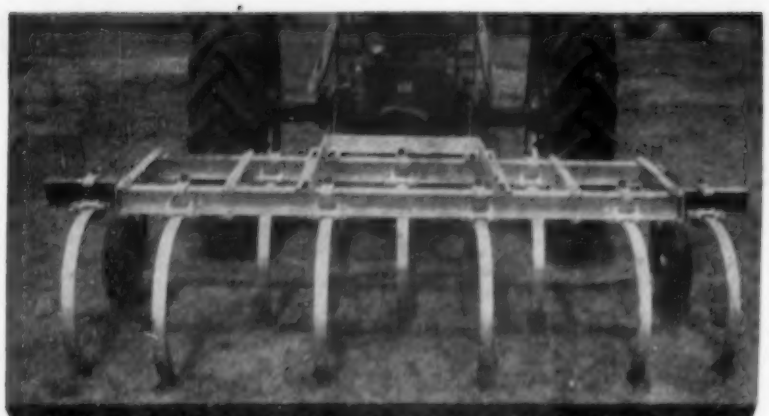
PRUDEN BUILDINGS

YOU RECEIVE BEST VALUE FROM a Pruden Steel Frame Building—you get more storage space per dollar invested—uses wood, concrete, steel or aluminum to their best advantage—no interior obstructions—large end and side doors—all floor space useable. WRITE NOW for free literature and name of nearest dealer.

PRUDEN PRODUCTS CO.

EVANSVILLE, WIS.

FOR SALE—1,000 acre livestock farm in Central Minnesota; fertile loam; 225 acres in bluegrass pasture along one mile Lake Shore with natural Oak timber; exceptionally well improved and equipped with three modern homes. Write WESLEY ERNST, MORRIS, MINNESOTA



CONTROL NEXT YEAR'S MOISTURE NOW WITH THE

GRAHAM PLOW

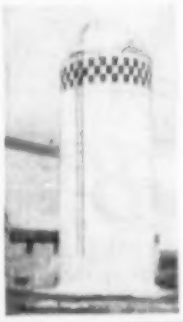
Now, in the fall of the year, is the time to start controlling next year's moisture. Do your fall plowing with the **Graham Plow** . . . and open up the soil so that this winter's moisture stays in your fields. Moisture soaks into the chiseled furrows . . . and doesn't run off causing erosion. If it's dry next year . . . you have a supply of moisture saved in the sub-soil. If it's wet next year . . . the moisture soaks in instead of standing on top of the ground and stopping you from getting into the field! **You Get Better Crops!**

The **Graham Plow** breaks through the plow floor by means of chisel furrows 12 inches apart. Goes 16 to 18 inches deep. Built of heavy duty, high carbon steel, the **Graham Plow** is available in 5-foot to 11-foot widths . . . to fit any tractor.

SEE YOUR LOCAL IMPLEMENT DEALER OR WRITE FOR MORE INFORMATION

DISTRIBUTED BY
GRAHAM-IOWA SUB-SOILER CO.
STATE CENTER, IOWA

MORE and MORE FARMERS BUY HANSON CRIBS
(Also Silos and Bins)
EACH YEAR *because*



There Are 6 BIG Reasons!

- ✓ TOP QUALITY MATERIALS
- ✓ PROMPT DELIVERY AND ERECTION
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- ✓ GUARANTEED CONSTRUCTION
- ✓ REASONABLE COST
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Get complete information about stronger, more economical, more attractive concrete stave silos and concrete stave corn cribs . . . we also manufacture and erect concrete stave grain bins.

WRITE TO
HANSON SILO CO.
LAKE VIEW, IOWA
Plants also at LUVERNE AND LAKE LILLIAN, MINN.
Emil Hanson & Sons Since 1916

• CLEANER PICKING
• LESS CLOGGING
• CHAMPIONSHIP PERFORMANCE

MINNESOTA RUBBER & CORD HUSKING ROLLERS

This year make sure your corn picker is equipped with these rugged, low-priced, easy-to-install rollers.

They are made of rubber and cord discs with scalloped edges that give them greater gripping power for cleaner, more efficient picking, with less shelling.

"They're tops with me—and my corn picker"—

says Elmo Redding, National Corn Picking Champion in 1954 and 1955.

WE HAVE ROLLERS FOR ALL PICKERS

See your local dealer and Write for FREE information

GRAM & WESTERGAARD, Inc.
4014 N. Rockwell St., Dept. 946, Chicago 18, Ill.

READ THE ADVERTISEMENTS—THEY'RE NEWS OF WHAT'S NEW

First Aid For Stock

Infection In His Calves' Eyes

To the Editor: Can you tell me what is wrong with some of my calves' eyes? They swell up, water, and later cloud over. Eventually they clear up, but it takes a long time.—E. T., Linn county, Iowa.

This sounds very much like acute pinkeye with a secondary infection. This is highly contagious and can be transmitted from one animal to another.

Animals that are infected can be treated daily by applying antibiotic powder. If infection is severe, put the animals in a dark pen that is free of flies and dust.

Pinkeye bacterin is not a sure preventive, but it does help prevent healthy animals from becoming severely infected. See your veterinarian about using pinkeye bacterin on your calves.

No Cure Yet For Rhinitis

To the Editor: Is there any connection between sniffles in hogs and rhinitis? Is there anything new in handling rhinitis?—G. E., Harrison county, Iowa.

Usually, pigs that have atrophic rhinitis do sneeze and snuffle. However, some hogs with noses completely twisted by rhinitis have hit 200 pounds at five months.

There is nothing new in handling rhinitis. Some people claim a "cure" of rhinitis when actually all they do is improve feed and nutrition. Rhinitis is a disease that becomes more severe when management or nutrition is below par.

Pigs Die Right After Weaning

To the Editor: After we took our pigs from the sows, they semed to do fine for 10 days or so. Then they started dieing. The vet posted one and said it was pneumonia. We are now feeding antibiotics and sulfas. What do you think?—J. J., Adair county, Iowa.

Pigs may die of pneumonia which may be due to a variety of organisms. Hog cholera and erysipelas may cause pneumonia lesions.

If your pigs are dieing because of pure, uncomplicated pneumonia, then the sulfas are of value in treating them.

Have your pigs been vaccinated against cholera and erysipelas? If not, they should be. If they have been vaccinated, continue the sulfa treatment.

His Turkeys Have Crooked Feet

To the Editor: A number of my turkeys have crooked feet or toes. They were all right until they were two weeks old. Then the foot trouble started.—E. H., Dubuque county, Iowa.

There are several causes of foot deformity in turkeys. Without seeing your birds and knowing more about them, it would be very hard to decide on the cause. Possible causes are:

1. Deficiency of riboflavin, a B-complex vitamin. Dried whey and alfalfa meal are good sources of this vitamin.
2. Perosis—caused by a manganese deficiency. Cure is to add manganese to the ration. However, most rations have ample manganese.
3. Deficiency of vitamin E.
4. Curled toes in turkeys have been traced to a hereditary condition by California workers.

If you're not feeding a balanced ration already, better do so. And have a veterinarian look at your birds to get an accurate diagnosis.

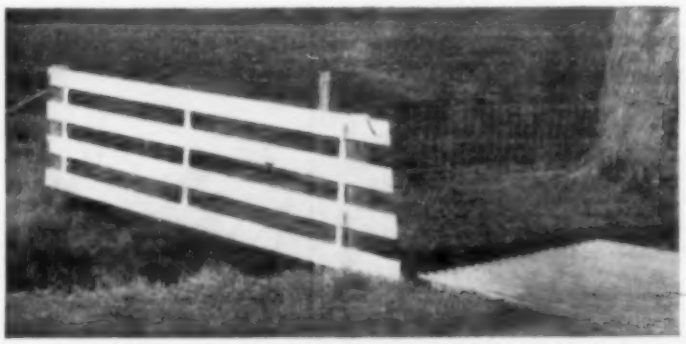
Bad Feedlot Disease

Rhinotracheitis, or "red nose," is a contagious disease that has been causing a lot of trouble in big feedlots over the country.

In Colorado, a check was made of 60,000 cattle. Some 23 percent were found to be affected with a resulting three percent death loss. In some herds, all of the cattle were infected.

Normally, the disease doesn't show up for three weeks or more after the animals are in the feedlot. Usually, the animals recover within three to six days if pneumonia doesn't set in.

It's an idea. . . .



Panel beside cattle guard is removable. So livestock can be driven up the lane without planking over the guard rails. On the A. C. LeGore farm in Calhoun county, Iowa.

I GET MORE WORK DONE AND MORE DAYS IN THE FIELD WITH CAB-ETTE

CAB-ETTE
HEATER-WINDBREAKER
AS ESSENTIAL AS YOUR STARTER

You get more for your money with CAB-ETTE. It practically pays for itself because it helps you get MORE SERVICE out of your tractor.

YOUR BEST BET IS THE NEW CAB-ETTE

Tailor made to fit YOUR make and model . . . heavy duty construction . . . largest windshield area . . . "roll-back snap-back" motor panels . . . these and MORE features PROVE that "Your Best Bet Is the New CAB-ETTE!"

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NOW, At The Same Low Cost
HAIL INSURANCE
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Crib Plans FREE!

Send for FREE Crib blueprints with materials list. Also FREE Elevator Catalog showing 10 styles. Write TODAY!

Meyer Farm Elevators — Sup and Portable
Simplest, strongest—no short turns. Widest, sturdiest PORTABLE—handles everything. Write us your crib problems today! State if interested in BUCKET or PORTABLE.

MEYER MFG. CO. Box 2465 MORTON, ILL.

SPARKY SAYS

First president of the newly-formed Iowa chapter of the National Farmers' Organization is Corbin Crawford of Ainsworth, Washington county.

Farm News Briefs

CATTLE FEEDERS' "Hey" Day at Iowa State College is scheduled for October 17. Usually an early summer event, the "Hey" Day was delayed until October this year to permit completion of experiments started last winter at the new beef cattle nutrition farm northwest of Ames.

▼ ▼ ▼

IOWA RANKED fourth last year among 13 Corn Belt states in the use of fertilizer. Indiana, Ohio and Missouri topped the Hawkeye state.

▼ ▼ ▼

BEEF CONSUMPTION is expected to hit an average of 83 pounds per person this year in the U. S. That'll be a new record.

▼ ▼ ▼

THIS YEAR'S harvest of certified seed oats was the smallest in several years, reports Joe L. Robinson, secretary of the Iowa Crop Improvement Association. But Robinson says that carryover from 1955 will prevent a seed scarcity.

▼ ▼ ▼

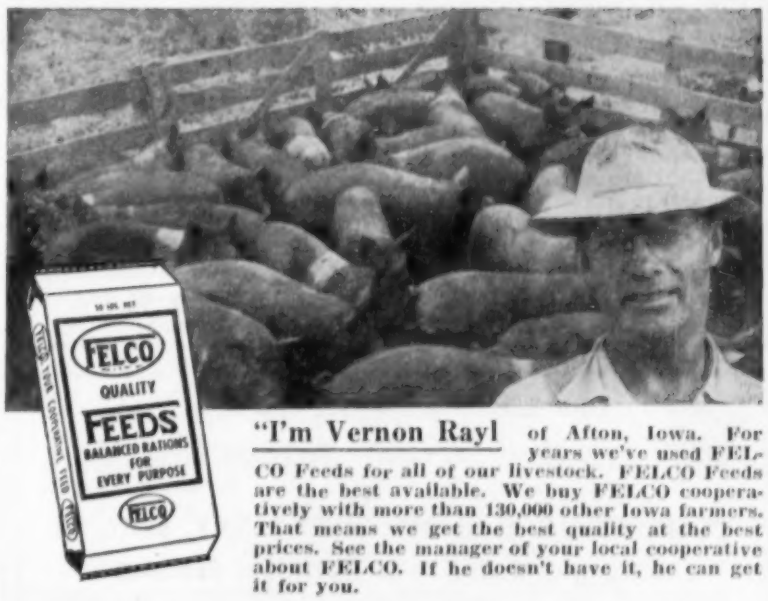
IOWA'S FIRST identical twin dairy heifer herd will be exhibited at the Iowa State College Cow Conference, September 7.

▼ ▼ ▼

FARM MACHINERY exports (mostly tractors) are about 15 percent of total U. S. machinery production. Biggest customers—Canada and Latin America.

▼ ▼ ▼

COMING EVENTS: Midwest Old Settlers and Threshers Reunion, Mt. Pleasant, Iowa, September 5-8; Cow Conference, Iowa State College, September 7; Annual Conference Iowa Soil Conservation District Commissioners, Waterloo, Iowa, September 9-11; Clay County Fair, Spencer, Iowa, September 10-15; National Barrow Show, Austin, Minnesota, September 11-14; Third National Watershed Conference, Lincoln, Nebraska, September 18-20; National Field Days and Plowing Match, Jasper county, Iowa, September 20-22; Annual meeting Iowa Grange, Muscatine, Iowa, September 25-27; National Dairy Cattle Congress, Waterloo, Iowa, September 29-October 6.



"I'm Vernon Ray! of Afton, Iowa. For years we've used FELCO Feeds for all of our livestock. FELCO Feeds are the best available. We buy FELCO cooperatively with more than 130,000 other Iowa farmers. That means we get the best quality at the best prices. See the manager of your local cooperative about FELCO. If he doesn't have it, he can get it for you.

ONLY Lundell BOLSTER HOIST

gives you these 3 EXCLUSIVE BIG-LIFTING FEATURES

Lundell lifts heavy loads higher, faster, easier and with less strain. Actually lifts wagon bed as high as 73½" off the top of the bolster! This steep dumping angle gives quick unloading. Lifts 7,000 lbs. to 11,000 lbs. Hydraulic pressure is constant throughout lift. Ten years of wagon hoist design and manufacture back your Lundell Bolster Hoist.

SEE YOUR DEALER or WRITE TODAY for complete information on Lundell Wagon & Truck Hoists.

LUNDELL MFG. CO., Dept. 23 CHEROKEE, IOWA

SHORTHORNS

At Auction on Rasmussen Farm located 4 miles west on Highway No. 3 and 1 mile north and ¾ mile west

GOLDFIELD, IOWA, TUESDAY, SEPTEMBER 18

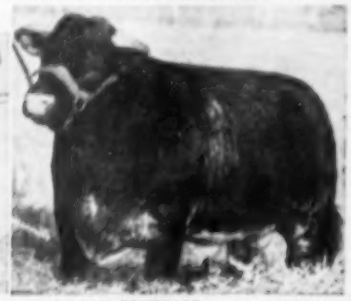
Starting promptly at 1:00 P.M.

70 HEAD — 7 Herd Bull Prospects - 9 Grand Cows and Calves - 34 Beautiful Bred Heifers - 20 Attractive Open Heifers.

EDELLYN ROYAL LEADER 100th, great Champion and show bull. His breeding featured. Schutjer's Royal Leader 3rd is a top son.

LEVELDALE OMEN, an outstanding son of the famous **CRUGGLETON PEGLER**, 2nd at National and 4th at International.

KILLEARN MAX JUGGLER, the popular 1949 International Grand Champion, sire of Champions and 1st Prize Get-of-Sire at Denver.



LEVERDALE CAVALIER, a top breeding son of Imp. Aldie Mainliner, out of same Dam as '55 International Champion, Leveldale Critic.

THE BULLS: 2 sons of **KILLEARN MAX JUGGLER**, 3 sons of **EDELLYN ROYAL LEADER 76th**, 1 son of **LEVELDALE CAVALIER**, and 1 son of **NAEMOOR MONITOR.** Genuine Herd Bull prospects here. See them.

RASMUSSEN'S FEMALES: A grand lot of truly foundation females. 18 daughters of **LEVELDALE CAVALIER**, 8 are open and 10 are bred to **R. B. MAX JUGGLER**, a son of Killearn Max Juggler. 6 daughters of **KILLEARN MAX JUGGLER** sell mated to the great **LEVELDALE OMEN.** 8 daughters of **EDELLYN ROYAL LEADER 76th**, 5 are bred to **R. B. ROYAL LEADER 4th**, son of Edellyn Royal Leader 100th. Others bred to **LEVELDALE OMEN. RASMUSSEN'S** have used outstanding, richly-bred bulls, unexcelled. They offer their progeny and service.

G. J. SCHUTJER, Wooden, Iowa, a small select herd strong in **RASMUSSEN'S** best breeding offer 27 head, 9 desirable cows with calves at side and rebred; 9 quality bred heifers by a top son of **EDELLYN MARINE MERCURY.** The calves at side are by **EDELLYN ROYAL LEADER 3rd** and the sire of 9 attractive open heifers. 9 bred heifers mated to **ROYAL LEADER 3rd**, son of **"100th"** and **R. B. MOY BOGEY** by Imp. **MOY BOGEY.** The quality and breeding will please. All **T.B.** and **BANGS** tested. Plan to attend. Ask now for FREE beautifully illustrated catalog. Kindly mention this publication.

P. A. RASMUSSEN & SONS, GOLDFIELD, IOWA

Auctioneer: J. E. Halsey — T. W. Sherlock, Fieldman

74th Selective Annual Fall Sale

Central Illinois Angus Breeders

Located midway between Bloomington and Peoria on Highway No. 150 in our own pavilion

CONGERVILLE, ILLINOIS, WEDNESDAY, SEPT. 12

Starting at 1200 Noon (D.S.T.)

6 Rugged Bulls - 62 Desirable Females

Selected with care from the many cattle nominated from the top herds in this long-established Association. **EILEENMERE-BANDOLIER-BARDOLIER-ANKONIAN-SUNBEAM-BELL BOY** — rich in the finest blood of the **Aberdeen-Angus** breed. They will please. Plan to attend. Ask for information and FREE catalog. Kindly mention this publication. Address

FORREST LEMONS, Secy., CONGERVILLE, ILLINOIS

REGISTERED MILKING SHORTHORN COMPLETE DISPERSION SALE

EDELMAIER & HEINE, MONDAY, SEPT. 10, HOOPER, NEBRASKA

Sale at the farm, 1 mile N., ½ E., and ½ N. of Hooper

50 HEAD—45 FEMALES—2 HERD BULLS—A FEW YOUNG BULLS

There will be about 20 head to freshen around sale day or shortly after. All have made an B.M. that have finished a lactation. For your FREE catalog write

RAY A. EDELMAIER, HOOPER, NEBRASKA

★Do your buying from firms advertising in WALLACES' FARMER and IOWA HOMESTEAD. If you do not find in WALLACES' FARMER and IOWA HOMESTEAD the articles you want to buy now, just let us know what you want and we will be glad to give you names of reliable firms from whom you can make the purchase.

16th Semi-Annual

Hawkeye Downs

POLLED SHORTHORN

SHOW and SALE

9:30 A.M. (C.S.T) 12:45 P.M.

Judge: Don Penningroth, Wellman, Iowa

Hawkeye Downs All-Iowa Fair Pavilion

Cedar Rapids, Iowa
Saturday, Sept. 15th

Sale Starting Prompting 12:45 P.M.

20 BULLS—ALL OF SERVICEABLE AGE

27 FEMALES—MOST ALL BRED FEMALES

A grand offering selected from **17** leading herds from **IOWA, ILLINOIS** and **MINNESOTA.** The 20 bulls are rugged, ready for service. Two tried and proven sires. Rich breeding, with scale and substance. You can find a herd sire here. The females include 21 which are bred, two have calves at side and a few attractive open heifers. The **QUICK-PROFIT** kind, desirable type, acceptable breeding and mated to leading herd bulls in the **Hawkeye Downs** area. Come and see them and you will buy. They are consigned by the following breeders:

	Bulls	Females
Alauna Acres, Vinton	2	0
Bert Brown, Hazelton	1	0
L. C. Bolson, Decorah	2	1
Walter F. Fennern, Mt. Auburn	3	0
Vernon Haman & Sons, Iowa City	2	0
Kaehler Bros., St. Charles, Minn.	1	2
Philip Marti, Waukon	0	7
Setterdahl Bros., Rio, Ill.	1	3
H. H. Wilson, Keswick	0	1
Ellen Beth Beecher, Union	1	0
Lloyd Beecher, Union	1	2
Robert Asquith, What Cheer	0	2
Emmet Franklin, Oskaloosa	3	3
Otto Johnson, Lohrville	1	1
John Leonard, Iowa City	1	1
Morris Bros., Aledo, Ill.	0	4
Ralph C. Stirm, Brandon	2	0

SIRES represented are: OAKWOOD CHIEF TOPIC, CHERRY HILL COMPACT, GREENWOOD SENSATION, WILLGRACE TYPE, GRAND MONARCH, PLEASANT VIEW IDEAL; HILLDALE VIKING 2nd; CERMONIOUS AVON, KING OF THE VANITIES, BEACON'S GOOD NEWS, CHERRY HILL LANDMARK, GLOSTER VALE, ALAUNA REALIST, LYNNWOOD BEACON 2nd, COLLYNIE MASTERPIECE, BROWNDALE MONARCH, HTR ROSEWOOD 19th and other fine sires. Breeding at its best. Come early, see the show and sale. Ask for FREE illustrated catalog. Kindly mention this publication. Address

Earl S. Girton, Sale Mgr., Box 321-W, Marshalltown, Ia.

Aucts.: J. E. Halsey & Harvey Neitderhisar — Arch Stone, Fieldman

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7th Semi-Annual

Hawkeye Downs Shorthorn Show & Sale

9:30 A.M. 12:45 P.M. (C.S.T.)

Judge Lynn Doak, Grundy Center, Iowa

Hawkeye Downs All-Iowa Fair Pavilion

Cedar Rapids, Iowa
Wednesday, Sept. 19th

Sale Starting promptly 12:45 P.M.

BULLS - FEMALES - CLUB STEERS - CLUB HEIFERS

30 STEER CALVES, 4-H and **F.F.A.** prospects. Will open sale with these calves. The Club sale has improved and increased each year . . . this one should top them all.

20 RUGGED BULLS - 37 DESIRABLE FEMALES

One of the good offerings of the year, selected from **20** leading herds. The bulls, most all ready for immediate service, bulls with type, scale, ruggedness, ideal for breeder and commercial cattlemen. Best in blood lines, new breeding for old customers. The females include 12 cows with big lusty calves, many rebred, 29 females of breeding age, 8 beautiful open heifers suitable for **1957** Club work. The cream of several herds. Consigned from the following reliable herds:

	Bulls	Fem.	Steers
Merne Anderson, Victor	0	2	1
A. J. Blakely & Son, Grinnell	1	6	0
Evergreen Farm, Columbus Jct.	2	3	0
L. E. Howell & Son, Columbus Jct.	0	3	2
M. R. Maurer & Sons, Manchester	1	1	2
Carlton Reed & Sons, Bellevue	2	2	0
Urice Bros., Vinton	1	4	1
Carl Whitman, Marion	0	3	0
Howard Shaffer & Son, Wadena	0	2	3
Paul Stewart, Anamosa	0	0	4
Herman Albers, Dixon, Ill.	2	0	0
Lloyd Burr & Son, Lone Tree	2	0	0
Wayne Farnum, Victor	0	1	0
E. W. Maurer & Son, Fayette	2	0	0
Penningroth Bros., Wellman	5	0	2
Otis Rothlisberger, Elgin	1	2	1
J. C. Wagner, Bellevue	0	3	2
E. L. Williams, Marshalltown	1	5	0
Earl Gibbons & Son, Aurora	0	0	3
Francis Farmer, Strawberry Point	0	0	2

And others with single STEER calves

Study the catalog and the great sires represented, namely: **Classic Bearer, Ranoch Master Monarch, Claymore Jasper, Wheatland Adjuster, Priam's Choice, Braywood Souvenir, Viking 3rd, MF Royal Leader, Marellbar Observer, Will-A-Dell Gold Plate, PF Commodore 7th, Propaganda Bearer, Leveldale Cameo, Royal Keystone Guard, Twin Valley Promoter, Cumberland Sportsman, Edellyn Acadian, Craigessie Red Escort** and other noted sires.

SHORTHORN OPPORTUNITY DAY! Come, see the show and sale. Ask now for **FREE** illustrated catalog. Kindly mention this publication. Address

EARL S. GIRTON, Sale Mgr., Box 321-W, MARSHALLTOWN, IA.

Aucts.: J. E. Halsey and Harvey Neitderhisar — T. W. Sherlock, Fieldman

FEEDER CATTLE

32nd ANNUAL SALE

AT OUR SALE YARDS

Thursday, September 6th

Manly, Iowa

Located 10 Miles North of Mason City on Highways No. 65 and No. 9. Railroads, Rock Island, Great Western and M. & St. L.

Held under cover, rain or shine.

Sale starts at 12 o'clock, noon

2500 Head

THIS IS A CHOICE GROUP OF CALVES—THE KIND THAT SELL

Finest Cattle Obtainable--Direct From the Range to Your Feed Lot!

They are all good quality and include K-D, LOBERG, McNAMARA and HILL cattle, the kind of cattle with real merit that make Market-Topping cattle when finished.

120 Hereford Steers	1000 lbs.	100 Hereford Heifers	550 lbs.
100 Hereford Steers	950 lbs.	80 Hereford Heifers	500 lbs.
100 Hereford Steers	900 lbs.	50 Hereford Steer Calves	375 lbs.
120 Hereford Steers	850 lbs.	60 Hereford Steel Calves	350 lbs.
80 Hereford Steers	800 lbs.	100 Hereford Steer Calves	325 lbs.
50 Hereford Steers	750 lbs.	50 Hereford Steer Calves	300 lbs.
150 Hereford Steers	700 lbs.	70 Hereford Steer Calves	275 lbs.
300 Hereford Steers	600 lbs.	40 Hereford Heifer Calves	375 lbs.
230 Hereford Steers	550 lbs.	50 Hereford Heifer Calves	350 lbs.
200 Hereford Steers	500 lbs.	80 Hereford Heifer Calves	325 lbs.
50 Hereford Heifers	900 lbs.	50 Hereford Heifer Calves	300 lbs.
100 Hereford Heifers	650 lbs.	50 Hereford Heifer Calves	260 lbs.
120 Hereford Heifers	600 lbs.		

Hundreds of farmers have bought their cattle from STRAND yards each year . . . they prefer to make their selections from a reliable source where quality cattle can be obtained. They have made money feeding STRAND cattle. You too should make selections from our yards.

YOU WILL LIKE THE QUALITY OF CATTLE IN THIS AUCTION

Oswald Strand

& SON

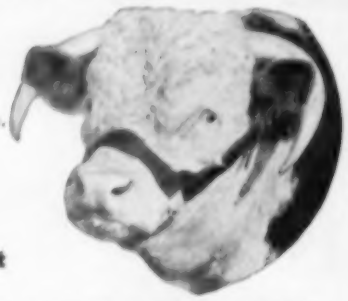
Manly, Iowa

Clerk, First National Bank, Mason City, Iowa — J. E. Halsey, Fieldman

Auctioneers: Ernie Weller, J. R. Dorsey, Gene Dorsey, Phil Sheimo, C. M. Sheimo, Carl Jaspers, Arnold Hexom

EVERGREEN Hereford Farms Production Sale

50 Head of Top Quality Herefords Sell



SAT., SEPT. 22, 1956

Sale at 1:00 P.M., in tent at the farm, on gravel road, 2 miles Southeast of

LORIMOR, IOWA

10 Service Age Bulls
27 Bred and Open Heifers
13 Cows, Mostly with Calves at Side

THE GETS AND SERVICES OF THE FOLLOWING SIRES WILL BE FEATURED:

★ **JCP LARRY DOMINO 48th**
A son of the noted MW Larry Domino 36th by the great Register of Merit sire, Larry Domino 50th, and from a WHR Domino Stanway bred dam. A very strong headed, heavy boned sire purchased from Emmadine Farms, Breckenridge, Mo.

★ **ROYAL HELMSMAN 2nd**
A son of LVF Helmsman 32d by the noted Longview Farms' WHR Helmsman 4th. His dam is WHR Royal Maid 37th.

★ **ROYAL RUPERT C. 11th**
A son of Royal Rupert K 1st by Royal Rupert K, and out of a Domino Mischief dam.

★ **JCP SUPER LARRY 2nd**
A son of MW Super Larry 15th, top selling bull at the Emmadine Farms Dispersion and a double grandson of Larry Domino 50th. A few sons and daughters sell, and many females will carry his service.

All cattle sell in good breeding condition, and are not over fitted. All with individual health papers showing a clean test for T.B. and Bangs. Send today for your FREE catalog. Please mention this publication.

C. C. GRANDFIELD & SONS, Owners, LORIMOR, IOWA
Auctioneer: Freddie Chandler — Arch Stone, Fieldman

FOREST GROVE FARM

HEREFORD DISPERSION

Hawkeye Downs All-Iowa Fair Grounds Pavilion

CEDAR RAPIDS, IOWA, SATURDAY, SEPT. 29

Starting promptly at 12:00 Noon

WHR PURITAN MIX 1st, 6049796 by Dual Mix, proven clean at WHR.

213 HEAD

Selling as 143 Lots

19 Bulls—4 herd sires, 15 yearling bulls; 70 grand brood cows with calves at side, 25 of which are early spring calves; 9 young bred cows; 12 excellent bred heifers; 31 most attractive open heifers.

THE 4 HERD BULLS—BATTLE INTENSE 245th 8618370, selected from Lester Wiese & Sons; WHR PURITAN MIX 1st, (Illustrated here) and WHR TARGET 45th 7901268 whose sire was proven clean at WHR., selected direct from WHR for use in our herd. FGF PIONEER LAD 15th, the 1951 Iowa State sale champion, son of 1947 Iowa State Sale Champion Pioneer Lad 2nd. Four genuine tried and proved herd sires for someone. 15 yearling bulls ready for service, 6 by WHR PURITAN MIX 1st; 6 by FGF PIONEER LAD 15th and 3 by WHR TARGET 45th; also 3 bull calves.

THE FEMALES—70 grand richly-bred brood cows with lusty calves at side, many rebred. One of the fine lots of brood cows to sell this year; seldom do you have an opportunity to select choice cows with calves from such a large group of top quality individuals. 8 young bred cows and 12 splendid bred heifers. All females bred more than 60 days will have pregnancy test before sale day. 31 most attractive open heifers . . . ideal to mate to your own Herd Sires. All cattle presented in practical breeding condition. Remember a DISPERSION always offers opportunities, be on hand to secure them. Ask now for free catalog. Please mention this publication. Address

MARTING SALE SERVICE, Sam B. Marting, Sale Mgr., WASHINGTON COURT HOUSE, OHIO

Herbert Killian, Owner; Paul Wolf, Mgr., Cedar Rapids, Iowa
Auctioneers: Jewett Fulkerson and Emerson Marting. Lunch on grounds.

National DAIRY CATTLE CONGRESS

AND ITS GALAXY OF STAR ATTRACTIONS

★ Five National Dairy Breed Shows
★ National Belgian Show
★ Mid-West Industrial Exposition
★ Mid-West Horse Show
★ Complete Garden and Flower Show
★ Women's and Girls Department

THE SHOW HAS SOMETHING FOR EVERYONE. Every farmer and his family will find interesting attractions to fill their day. Twenty-six major buildings will be filled with the latest innovations in agriculture and the most recent discoveries to lighten and brighten the tasks of the homemaker. A complete youth program is also a part of the show.

ENTERTAINMENT. And to top off this years show of national champions, there will be the beautiful and thrill-packed Hippodrome Program each afternoon and evening—the famous livestock parade of champions, a complete saddle horse show and the finest acts from stage, screen and the former Ringling Brothers Circus.

THIS YEAR SEPT. 29 - OCT. 6 WATERLOO IOWA

Missouri Cooperative

FEEDER CATTLE SALES

3600 — YEARLINGS AT AUCTION — 3600

SEPTEMBER 17-19, 1956

ALTON, MISSOURI
MONDAY, SEPTEMBER 17 — 1200 CATTLE
Yearlings and 2-year-old steers. Mostly Herefords, some Angus. Weighed to buyer out of sale ring. Chas. Nicholas, Mgr., Alton, Mo. (Calves sell October 2.)

SALEM, MISSOURI
TUESDAY, SEPTEMBER 18 — 1200 CATTLE
Yearlings and older cattle. 1,000 steers, 200 heifers. Mostly Herefords, some Angus and crossbreds. Weighed to buyer out of sale ring. Carl Finch, Mgr., R. 2, Salem, Mo. (Calves sell September 27 and 28.)

POTOSI, MISSOURI
WEDNESDAY, SEPTEMBER 19 — 1200 CATTLE
Yearlings and older steers. Mostly Herefords, a few Angus. Cattle will be shrunk 3 percent from the in-weight. J. D. Essmyer, Pres., Potosi, Mo. (Calves sell September 20 and 21.)

CATTLE SORTED INTO UNIFORM LOTS
As to Breed, Sex, Quality, Weight, and Condition under Supervision of Missouri Agricultural Extension Service. An opportunity to get the kind of cattle you want for long or short feed. Cattle sold at auction by the pound. Medium to choice quality. No horns. Farmers have their own sale facilities. Sales start 1:30 p.m.

CATTLE COME DIRECT FROM FARMS IN THE COMMUNITY

Missouri Cooperative

FEEDER CATTLE SALES

3550 — CATTLE AT AUCTION — 3350

SEPTEMBER 20-22, 1956

POTOSI, MISSOURI
THURSDAY AND FRIDAY, SEPT. 20 & 21 — 2400 CALVES
September 20, 1200 — September 21, 1200
80 percent Herefords, 20 percent Angus and mixed.
J. D. Essmyer, Mgr., Potosi, Mo.

STE. GENEVIEVE, MISSSOURI
SATURDAY, SEPTEMBER 22 — 1150 CATTLE
850 Calves, 300 Yearlings. 60 percent Herefords, 25 percent Angus, 15 percent Mixed.
Andrew Kreitler, Sec., R. 2, Ste. Genevieve, Mo.

CATTLE SORTED INTO UNIFORM LOTS
As to Breed, Sex, Quality, Weight, and Condition under Supervision of Missouri Agricultural Extension Service. Cattle sold at Auction by the pound. Medium to choice quality. No horns. No bulls. Farmers have their own sale facilities. Sales start 1:30 p.m.

CATTLE COME DIRECT FROM FARMS IN THE COMMUNITY

FLOYD CREST FARMS

TAMWORTH SALE

THURSDAY, SEPT. 20, SHELDON, IOWA

Sale at 7:00 P.M. at the farm ½ mile south of Ritter, Iowa

SELLING 50 HEAD

25 SPRING BOARS — 20 OPEN GILTS — 5 FALL BOARS

Nearly all are from PR litters, and the entire offering has been production tested. Send today for your FREE catalog. Please mention this publication. Address

FLOYD CREST FARMS, Walter Kruse, Owner, SHELDON, IOWA
Tamworths since 1926

—When writing to our advertisers, please mention this paper—

Coming Livestock Sales

ANGUS

Sept. 10—Wilton Farms, Otto and Dick Nobis, Cow and Calf sale at farm, Davenport, Iowa.
Sept. 11—Bardoller sale, F. M. Bradley Sons, Avon, Ill.
Sept. 12—Central Illinois Breeders sale, Congerville, Ill. Forrest W. Lemons, Secy.
Sept. 17—Central States Angus sale, Marshalltown, Iowa, Clair G. Mason & Son, Mgrs., Box 243.
Sept. 21—J. Miles McGrew, Walnut Grove, Ill.
Oct. 1—Davis County Angus Breeders, "Bargain Day and Club sale," Bloomfield, Iowa. Phillip Fuller, Secy., Milton, Iowa.
Oct. 6—Treasure Acres Calf sale, Blairsburg, Iowa.
Oct. 6—Beefland Calf sale, DeWitt, Iowa. Waltin Olson, Jr., Secy., Calamus, Iowa.
Oct. 6—Minnesota Breeders sale, Pipestone, Minn. Clement C. Chase, Secy., Box 669.
Oct. 13—Lawnview Herds Production and 4-H Club Calf sale, Mabel, Minn. Maurice Boney, Sale Mgr., Box 740, Storm Lake, Iowa.
Oct. 19—Woolever and Pollock, Unionville, Mo.
Oc. 20—C. H. Hauk, Cassville, Wis. Iowa.
Oct. 20—Marion County Breeders Club Calf sale, Knoxville, Iowa.
Oct. 24—Grand River Angus Breeders, Princeton, Mo. Marion Summers, Secy.
Oct. 27—Hawkeye Angus Breeders, All Female and Calf Club sale Cedar Rapids, Iowa. Albert H. Stuart, Secy., Newhall, Iowa.
Nov. 1—Van Meter & Hocker Sale, Memphis, Mo.
Nov. 10—Northwest Missouri Breeders Club Calf Sale, St. Joseph, Mo. F. B. Houghton, Secy., Maryville, Mo.
Nov. 10—Goose Creek Farms, Bar H Farms, Twin Knolls sale, Columbus Jct., Iowa.
Nov. 12—Interstate Angus Breeders Association, Sioux City, Iowa. Dwight Tabke, Sale Mgr., Moville, Iowa.
Nov. 19—Perry Phillips Farm Thanksgiving Production sale, Columbia, Mo.
Dec. 8—Beefland Calf sale, Mechanicsville, Iowa. Waltin Olson, Jr., Secy., Calamus, Iowa.

HEREFORDS

Sept. 4—Miller Hereford Ranch, Omaha, Nebr. Sale at Denison, Iowa.
Sept. 7—Crow's Hereford Farm, Rockton, Ill. (Dispersion.) Fulkerson Sale Service, Mgrs., Liberty, Mo.
Sept. 7-8—Western Illinois Breeders Association, Mt. Sterling, Ill. Robert Allen, Secy., Warsaw, Ill.
Sept. 15—White Gates Farm, F. R. Moffit, Tipton, Iowa.
Sept. 22—Clark Grandfield, Lorimer, Iowa.
Sept. 22—Northeast Iowa Breeders, Postville, Iowa. John M. Hoover, Secy., Elkader, Iowa.
Sept. 29—John Dittmer & Sons, Lacona, Iowa. Sale at Knoxville, Iowa.
Sept. 29—Herbert Killian, Forest Grove Farm, (Dispersion) Cedar Rapids, Iowa.
Sept. 29—Lamport Ranch, (Calf sale) Britton, So. Dak.
Oct. 4—Ralph Bramer, Carlisle, Iowa.
Oct. 6—Luckhardt Farms, Tarkio, Mo.
Oct. 6—Circle A Hereford Farm, Morris, Ill.
Oct. 10—Blue Grass Hereford Assn., Princton, Mo. Norma Gay Young, Secy.
Oct. 12—Gerken Hereford Farm, Oelwein, Iowa.
Oct. 15—Thorp Hereford Farms, All Star sale, Britton, So. Dak.
Oct. 26—Wisconsin Hereford Breeders, Lancaster, Wis. Homer Graber, Mgr., Mineral Point Wis.
Oct. 31—T. M. Hayden, Creston, Iowa.
Nov. 1—Northeast Missouri Breeders, Memphis, Mo. Vernon Winkler, Sale Mgr., Greencastle, Mo.
Nov. 3—Leland Shupe, Mendon, Disselhorst Farms, Quincy, Ill. J. Dwight Ernst, Mgr., Hamilton, Ill.
Nov. 3—Orval Burchett & Sons, Hereford Ranch, Grand River, Iowa. Wayne O. Burchett, Mgr.
Nov. 8—Spring Creek Ranch, Green Castle, Mo. Vernon Winkler, Mgr.
Nov. 10—Iverlea Farms, Carroll Iverson, Colo, Iowa.
Nov. 10—Western Illinois Breeders Assn. calf sale, Macomb, Ill. Robert Allen, Secy., Warsaw, Ill.
Nov. 14—Bianchi & Sanford, Macon, Mo.
Nov. 29—Winkler Bros., and Henry Lackey, Shelbina, Mo.

POLLED HEREFORDS

Sept. 3—Earl Richardson, Gravity, Iowa. Sale at Bedford, Iowa. Bernard Hart, Sale Mgr., Frankfort, Ind.
Sept. 4—Miller Hereford Ranch, Omaha, Nebr. Sale at Denison, Iowa.
Sept. 24—Chas. Hart & Son, Conway, Iowa. Sale at Lenox, Iowa.
Sept. 29—John Dittmer & Sons, Lacona, Ia. Sale at Knoxville, Iowa.
Oct. 8—Max Arrasmith, Ames, Iowa.
Oct. 9—Southeastern Iowa Polled Hereford Association, Oskaloosa, Iowa. Calvin Cruzen, Mgr., New Sharon, Iowa.
Oct. 25—O. S. Wilson & Son, Canton, Mo. Sale at Lanesboro, Minn.
Nov. 9—Hervale Farm, Wayne, Nebr.
Nov. 15—North Missouri Breeders, Chillicothe, Mo. Guy Tompkins, Secy., Lewistown, Mo.
Nov. 16—Westhaven Place, Denison, Iowa.
Nov. 24—Ted J. Griswold, Livingston, Wis. Sale at Lancaster, Wis.
Dec. 8—Illinois Polled Herefords, Princeton, Ill. Ernest Painter, Secy., LaHarpe, Ill.

SHORTHORNS

Sept. 18—P. A. Rasmussen & Sons, Goldfield, Iowa, and C. J. Schutter, Wooden, Iowa.
Sept. 19—Hawkeye Downs annual Fall sale, Cedar Rapids, Iowa. Earl S. Girton, Mgr., Box 321, Marshalltown, Iowa.
Sept. 26—L. and A. T. Robinson, Masonville, Iowa.
Oct. 1—Northwest Missouri Breeders, Rockport, Mo. Dr. L. W. Landfather, Mgr., 412-W. Second St., Maryville, Mo.
Oct. 3—Harry Swanson, Holstein, Iowa. Albert J. Hamann, Sale Mgr., Rock Rapids, Iowa.
Oct. 6—Spencer Shorthorn Breeders sale & Club Calf sale, Spencer, Iowa. Albert J. Hamann Sale Mgr. Rock Rapids, Iowa.
Oct. 6—Otto Thiede & Sons, Burton, Nebr. (Calf Club sale.) At Gregory, S. D. Mervin F. Aegerter, Sale Mgr., Seward, Nebr.
Oct. 13—Sumption Shorthorn Calf club sale, Sioux Falls, S. D. Willard Sumpton, Sale Mgr., Frederick, So. D.
Nov. 5—L. E. Mathers & Son, Mason City, Ill.
Nov. 10—Central States Breeders, Oskaloosa, Iowa. C. E. Stewart, Sale Mgr., Rose Hill, Iowa.
Nov. 19—Wm. I. Hartman, Barnard, Mo. Sale at Maryville, Mo.

POLLED SHORTHORNS

Sept. 15—Hawkeye Downs annual Fall sale, Cedar Rapids, Iowa. Earl S. Girton, Mgr., Box 321, Marshalltown, Iowa.
Sept. 25—Sioux Empire Polled Shorthorn Club, Sioux Falls, So. Dak. Albert J. Hamann, Sale Mgr., Rock Rapids, Iowa.
Oct. 13—Illinois Polled Shorthorn Breeders, Springfield, Ill. Hal Longley, Sale Mgr., 16 S. Locust St., Aurora, Ill.
Oct. 29—Missouri Breeders, Sedalia, Mo. Rollo E. Singleton, Sale Mgr., Jefferson City, Iowa.
Nov. 2—Iowa State Polled Shorthorn Club Inc. sale, Boone, Iowa. Wayne A. Carr, Secy., Cincinnati, Iowa.

DAIRY CATTLE

Sept. 7—Hawkeye Downs Holstein Festival show and sale, Cedar Rapids, Iowa. Claude E. Wylam, Sale Mgr., Waverly, Iowa.
Sept. 10—Edelmaier & Heine Milking Shorthorn Dispersion, Hooper, Nebr.
Sept. 15—Pine Crest Farm, Ayrshire, Richard Sears & Son, Grinnell, Iowa.
Sept. 22—Centralia Farms, (Registered Holstein Heifers) Nevada, Iowa. Claude E. Wylam, Sale Mgr., Waverly, Iowa.
Sept. 29—Illinois Northwest District Milking Shorthorn sale, Pecatonica, Ill. Clarence Gleasman Mgr., R. 1, Rockton, Ill.
Oct. 16—Russell E. Lux, Hopkinton, Iowa, and Perry DeShaw, Manchester, Iowa. (Holstein Dispersal.)
Oct. 17—C. H. Jennings, R. 4, Plain View Farm, Guernsey Dispersal, Iowa City, Iowa.
Nov. 17—Robert McCuen, Yale, Iowa (Holstein Dispersion). Claude E. Wylam, Sale Mgr., Waverly, Iowa.

STOCKER AND FEEDER CATTLE

Sept. 6—Oswald Strand & Son, Manly, Iowa.
Sept. 17—Alton, Missouri—Cooperative Feeders.
Sept. 18—Salem, Missouri—Cooperative Feeders.
Sept. 19—Potosi, Missouri—Cooperative Feeders.
Sept. 20-21—(Calves) Potosi, Mo. Co-op. Feeders.
Sept. 22—Ste. Genevieve, Missouri—Cooperative Feeders.
Oct. 2—Davis county, Bloomfield, Iowa.
Oct. 11—(Evening sale) All Club Calf sale, Bayard, Iowa. W. C. Robertson, Sale Mgr., Bayard, Iowa.

BERKSHIRE

Oct. 2—(Night sale) Elmer Monson, Honey B. Farm, Blair, Nebr.

DUROCS

Oct. 2—(Night Sale) Klein & Neubauer, Iowa Falls, Iowa.
Oct. 3—Gregor F. Vaske & Sons, Dyersville, Iowa.
Oct. 4—Juhl Bros. Luverne, Minnesota.
Oct. 5—Bert Broek & Sons, Sioux Center, Iowa.

FEEDER PIGS

Sept. 11—Alton, Missouri—Cooperative.
Sept. 12—Doniphan, Missouri—Cooperative.

HAMPSHIRES

Sept. 24—(Night sale) Iowa State Breeders, Ankeny, Iowa. Emery Riemenschneider, Secy., Pierson, Iowa.
Sept. 25—(Night sale) Duncan & Smylie, Columbus Jct., Iowa.
Sept. 26—(Night sale) Field & Christiansen, Nora Springs, Iowa, and Don Yusten, Kasson, Minn. Sale at Osage, Iowa.
Sept. 27—(Night sale) George Lorenz, Wells, Minn.
Oct. 1—John Volk & Sons, Battle Creek, Nebr.
Oct. 2—(Night sale) Dean Snyder, Good Hope, Ill.
Oct. 5—(Night sale) Lettow Bros., Alden, Iowa.
Oct. 6—(Night sale) Treasure Acres, Blairsburg, Iowa.
Oct. 8—Allen Lang & Son, Brooklyn, Iowa.
Oct. 8—(Night sale) C. T. Keen & Son, LeGrand, Iowa.
Oct. 11—(Night sale) Robertson Hampshire Farm, Columbus Junction, Iowa.
Oct. 16—Fred Goodchild & Sons, Mallard, Iowa.
Oct. 17—(Night sale) Dale McGraw, Pleasantville, Iowa. Sale at Knoxville, Iowa.
Oct. 18—Harry Knabe & Son, Nehawka, Nebr.
Oct. 20—(Night sale) Cecil Wilson, Lenox, Iowa.
Oct. 22—(Night sale) Fred Michaelsen, Ida Grove, Iowa.
Oct. 23—(Night sale) Howard Saerholtz & Son, Melbourne, Iowa. Sale at Marshalltown, Iowa.
Oct. 25—Emmet Conway & Sons, Dakota City, Nebr.
Oct. 25—(Night sale) Everett Maahs, Lincoln, Nebr.
Oct. 27—(Night sale) El Jon Farms, Rose Hill, Iowa.
Oct. 29—(Night Sale) Paul Carlson & Sons, Red Oak, Iowa.
Oct. 30—(Night sale) Matt Locatis & Sons, Fort Dodge, Iowa.
Oct. 31—W. B. McDonald & Son, Clemons, Iowa.
Nov. 5—(Night Salg) McGuire Hampshire Farm, Wisner, Nebr.

LANDRACE HOGS

Sept. 5—(Night sale) Iowa State sale, Boone, Iowa. Howard O. Koch, Secy., Ames, Iowa.
Sept. 22—National Landrace Boar Testing sale, Noblesville, Ind.
Oct. 2—(Night Sale) Orville M. Nessa, Story City, Iowa. Sale at Nevada, Iowa.

POLANDS

Oct. 4—(Night Sale) Helgens Bros., Monticello, Iowa.
Oct. 18—(Night sale) Vernon Kvale, Beaver Creek, Minn.

SPOTTED POLANDS

Oct. 9—(Night Sale) A. J. Anderson & Sons, Kellogg, Iowa.

TAMWORTHS

Sept. 20—Floyd Crest Farms, Walter Kruse, Owner, Sheldon, Iowa.

Tested Boars Sell Good

Once more, the Iowa Boar Testing Station proved that commercial and purebred breeders alike, are interested in buying boars that are proven "meat type" sires. Fifty boars selling in their second sale within two weeks, held August 20 at Nevada, Iowa, averaged $143. The bulk of the offering, including the sale's top seller, went to commercial producers. Bidding was rapid and demand, especially for the top end of the offering, was strong. The top 10 boars averaged $238.

H. & L. C. Shivers, Knoxville, Iowa, paid $400 to own the top selling boar, a Duroc sired by M & B Cadet, and consigned by Curtis Brothers, Cresco, Iowa. Another Duroc from the Curtis Brothers consignment and by M & B Cadet brought $280, the bid of Willis M. Vande Voort, Pella, Iowa.

Col. Clair Mason cried the sale.

YORKSHIRE

Sept. 14—(Night sale) Harlan Hanks, Winnebago, Minn. Sale at Blue Earth, Minn.
Sept. 24—(Night sale) Jim Henderson, Coin, Iowa.
Oct. 1—(Night sale) F. L. Jackson & Sons, Lytton, Iowa.
Oct. 13—Gail Anderson, Wisner, Nebr.

SHEEP

Sept. 6—Iowa Suffolk Breeders Association, Spencer, Iowa.
Sept. 6—Private sale, All Breeds, 9 to 11 A.M. Creston, Iowa.
Sept. 6—Private sale, All Breeds, 1 to 3 P.M. Red Oak, Iowa.
Sept. 6—Private sale, All Breeds, 4 to 6 P.M. Atlantic, Iowa.
Sept. 6—Private sale, All Breeds, 7:30 to 9:30 P.M., Audubon, Iowa.
Sept. 7—Private sale, All Breeds, 8 to 10:30 A.M., Guthrie Center, Iowa.
Sept. 7—Private sale, All Breeds, 1 to 3 P.M. Winterset, Iowa.
Sept. 7—Private sale, All Breeds, 6 to 8 P.M. Indianola, Iowa.
Sept. 8—Iowa Corriedale Breeders, Hedrick, Iowa. Stanley Watts, Secy., Murray, Iowa.

LIVESTOCK FIELDMEN

J. E. HALSEY, 1912 Grand Ave., Des Moines. Phone: Office CHerry 3-6181; Res. CRestwood 7-3645.
THOS. W. SHERLOCK, Box 3, Oxford, Iowa. Phone 8-4307.
ARCH STONE, 1912 Grand Ave., Des Moines. Phone: Office CHerry 3-6181; Res. CRestwood 9-6995.
We publish the FIRST and THIRD Saturday of every month. Copy for livestock advertising must reach our office FIFTEEN days before date of issue.

Yorkshire Sale

Fair Grounds
BLUE EARTH, MINN., SEPT. 14
FRIDAY NIGHT SALE
40 Spring Boars
10 Bred Gilts

Boars are sired by and Gilts bred to Imported TORRIE MAJESTIC 2nd, Imported Scotch Herd sire. ENGLISH LARGE WHITE breeding at its best. Grand Champion boars past two years at Iowa and Minnesota State Fairs came from this herd. Ask now for FREE catalog.

HARLAN HANKS, OAKVALE FARM
Winnebago, Minnesota

LANDRACE SALE

4-H PAVILION
NEVADA, IA., TUES., OCT. 2
Night Sale 7:30 P.M., C.S.T.
72 from 3 Herds
21 Boars - 15 Bred Gilts - 22 Open Gilts - 3 groups of 4 Small Gilts and 1 unrelated boar.

Consigned by Harold Handsaker & Sons, Nevada; John Crosby, Nevada, and Orville M. Nessa, Story City, Iowa.
Offering sired by and gilts mated to 4 great boars: ALMAR TRUE MODEL, son of '55 Iowa Champion (he sells); W. T. NORSE RANE, 50% Import., son of King Hosken, '55, Landrace boar of the year; IOWA VIKING, 100% Import son of W. T. Norse Viking, runner-up boar of 1955, and IOWA CORPORAL, one of best Iowa State College 1955 farrowing. Ask for FREE catalog. Kindly mention this Publication. Address

ORVILLE M. NESSA
Story City Iowa

PUT SOME OF THAT EXTRA CASH INTO SAVINGS BONDS

The Easy Way to Save
Start Buying Today!

Attend Circle A's Fall Sale

Selling 35 BULLS - 15 FEMALES

Saturday, October 6th

Whatever You Want in Herefords

CIRCLE A HAS IT

★ **Herefords Dwarf Gene Free by X-Ray**
We have them . . .
★ **Herefords Clear by Genetic Rating**
We have them . . .
★ **Herefords with Clear Pedigree**
We have them . . .
★ **Herefords that Can Win**
We have them . . .
★ **Herefords for the Commercial Man**
We have them . . .

CA BATTLE TONE 10th — Sells

CA BATTLE TONE 8th — Sells

CA LARRY DOMINO 179th — Sells

CA LARRY DOMINO 171st — Sells

CK OKATO 58th — Sells

CA ORUSTY 1st — Sells

A lot of the Bulls are Dwarf Gene Free. Ask for your FREE catalog today. Complete details of this greatest bull sale in **Circle A's** history are available in the catalog, together with **Circle A's** Guarantee on Dwarf free bulls selling in this sale. Kindly mention this publication, when writing. Address

Circle A Hereford Farms, Morris, Ill.

Western Illinois Hereford Ass'n.

Annual Fall Show and Sale

At Fair Grounds, located across from Keokuk, Iowa

Show: September 7, 1:00 P.M. C.S.T.

Judge: Ernest Painter Jr., La Harpe, Illinois

Mt. Sterling, Illinois

September 7 and 8

Sale Sept. 8, starting 12 Noon C.S.T.

HEREFORDS and POLLED HEREFORDS

25 Good Bulls - 55 Fine Females

A good rugged set of bulls. Some two-year-olds, long yearlings, ready for service now, and a good lot of younger bulls that will please those looking for a herd sire. Rich in pedigree and pleasing in quality. Breeders and farmers can select their herd bulls here.

The 55 Females include some choice cows with big fine calves at side and rebred; the **3-in-1 kind that return a quick profit.** Several bred cows and heifers, mated to top herd bulls, and attractive open heifers. They are females that will make foundation cattle. The consignors are:

		Bulls	Females
Vince Allen & Son	Warsaw		2
W. R. Detrick	Quincy		1
Deep Valley Farms	Flatt		3
Disselhorst Farms	Quincy		1
J. Dwight Ernst	Hamilton		2
Jesse A. Gleckler	New Salem	2	
Wm. E. Gleckler & Sons	New Salem	1	1
John B. Haning	McLean		2
Joe Helle	Smithfield	1	1
Hornlea Farms	Macomb	2	3
Rolling H. Hereford Farm	Mt. Sterling	1	1
Kamar Farm	Pittsfield	1	8
Robt. T. Kay	Plainville		2
A. W. Kern & Sons	La Harpe	2	1
A. O. Kline	Macomb	1	2
Harold Knott & Son	Ellisville		2
Double K Stock Farm	Timewell	3	4
Estel Meservey	Timewell		1
Blondel Myers	Colchester	2	
Willard McGaughey	Macomb	1	
Floyd McCaskill	Clayton		
Prairie Acres Stock Farm	Low Point	2	6
Leland Shupe	Mendon		2
Lawrence Skinner & Son	Aledo	1	
Dwight W. Slater	Bowen		2
Henry J. Ufken & Son	Carthage	3	3

This association offers large numbers that sell at prices you can afford to pay. Many have secured bargains that have started new herds from this Association's sales. You will find **Herefords** and **Polled Herefords** from the best **Western Illinois** herds. Plan to attend. Write for the FREE catalog today. Please mention this publication. Address

ROBERT ALLEN, Secy., WARSAW, ILLINOIS

Aucts.: Sherlock, Marting and McCaskill — J. E. Halsey, Fieldman

Don't Miss It 1956 INTERNATIONAL DAIRY SHOW

OCTOBER 6-13, 1956

• CHICAGO •

$45,000 In Cash Prizes

Offered in

Open and Junior Classes in Each of 6 Breeds:

AYRSHIRES	GUERNSEYS	HOLSTEINS
BROWN SWISS	JERSEYS	MILKING SHORTHORNS

Entries close Sept. 10 — *Write for premium list*

Finals!

American Dairy Princess Contest

Miss Rodeo America Contest

plus **WORLD'S CHAMPIONSHIP** *"golden spurs"*

RODEO

$20,000 IN PRIZES

International Dairy Show, Union Stock Yards, Chicago 9, Ill.

INTERNATIONAL AMPHITHEATRE

The Country's Largest Show Building

Moffit Francis R. — WHITE GATES — **Tipton Iowa**

Hereford Production Sale!

Miss MICKIE MOFFIT and her champion heifer, Iowa State Show and Sale. Many of this type and quality sell.

At Farm Near

Tipton, Ia. Saturday, Sept. 15

Starting at 12:00 Noon

65 HEAD

Featuring these blood lines

BULLS

Zato Aristocrat
White Mountain
Princeps
CA Larry Domino
Regent

FEMALES

H & D Tone
Mischief
Regent
Domino

Many grand cows with big calves at side and rebred, beautiful bred heifers and attractive open heifers. The kind for improvement. Outstanding herd bull prospects. Because we are reducing our female herd, we sacrifice one-half interest in our top herd sire **B. M. ZATO ARISTOCRAT** . . . a genuine herd sire for someone. Top quality breeding cattle, royally-bred at your own prices.

FREE DELIVERY—1st 200 MILES—NO CHARGE plus special consideration to those who live more than 200 miles from farm.

COME! Spend the day with us, we will enjoy having you whether you buy or not! See the show cattle and breeding herd. Our show herd has done well this fall. Ask now for FREE catalog. Kindly mention this publication. Address

MARTING SALES SERVICE, Washington Court House, Ohio

Lunch available on grounds — T. W. Sherlock, Fieldman

Watch for signs to direct you from Stanwood on U. S. No. 30 and Tipton Highways No. 150 and 38

Northwest Iowa Breeders

Hereford Sale!

Comfortable Sale Pavilion

Postville, Iowa Sat., Sept. 22

Starting promptly at 12:30 P.M.

+ 61 Head +

16 TOP CLUB CALVES

23 BULLS — mostly yearling and two year olds — ideal age for heavy service. Rich in best blood lines, displaying merit and quality. You can secure a Herd Bull here that will please.

22 FEMALES — which include cows with calves and rebred, splendid bred cows and heifers, sired by top sires and mated to high-class herd bulls. Presented in practical breeding condition . . . the profitable kind to buy. They represent the best in top breeding.

16 CLUB CALVES — an ideal place to secure a top quality calf for **4-H** and **F.F.A.** members. When you select your calf early, they get an early start. The consignors of cattle are the following reliable breeders:

JOE BRINK, Elkader
JOE HOOVER, Elkader
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GLENVIEW FARM, Decorah
GEO. C. RANDOLPH, Farmersburg
W. H. HELMS, Elgin
A. E. HOWARD & SON, Elgin
GERALD SHAFFER, Elgin
HELMER J. HOVDEN, Ridgeway
LLOYD KAISER, McGregor
E. R. CHRISTOPHERSON, Mabel, Minn.

A most desirable offering of richly-bred cattle, presented in good strong, thrifty breeding condition from dependable herds. Plan to attend. Ask now for FREE catalog. Kindly mention this publication.

JOHN M. HOOVER, Secy., ELKADER, IOWA

Auctioneer: Tom Sherlock — J. E. Halsey, Fieldman

17th CENTRAL IOWA ANGUS SALE

Marshalltown Livestock Auction, S. 18th Avenue

MARSHALLTOWN, IOWA, MONDAY, SEPTEMBER 17, 1956

Starting 12:00 Noon Sharp — All Sell in Afternoon

136 HEAD — SELLING AS 91 LOTS **QUICK-PROFIT OFFERING**

GREENMERE STOCK FARM

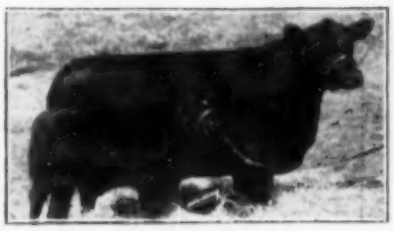
Semi-Angus Dispersion

In connection with

CENTRAL IOWA ANGUS SALE

MARSHALLTOWN, IOWA

MONDAY, SEPTEMBER, 17th



20 Head

- 10 Grand Cows — with big calves
- 4 Bred cows
- 3 Bred heifers
- 2 Open heifers
- 1 3-year-old herd bull

Buy cows with big calves and rebred if you desire **QUICK-PROFIT**

GREENMERE STOCK FARM, has maintained one of the top cow herds in Iowa, the modern type, thick-fleshed with quality. A most uniform lot of brood cows. This farm has always used outstanding Herd Sires, the herd is rich in

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Breeding unsurpassed . . . the kind that has proved to be most profitable . . . the sort you will want to buy.

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McHENRY BLACKCAP, LANTZ BLACKCAP, McHENRY BARBARA, BORDULAC PRINCESS, ROSEMERE BARBARA, BEMINDFUL MAID MISS BURGESS, ERICA and other well-known tribes.

COME! See this great richly-bred consignment. Ask for the FREE catalog sent only on request. Kindly mention this publication. Address

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Sell at MARSHALLTOWN, IOWA, MON., SEPT. 17

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Sons or grandsons have been Grand Champion twice and Reserve Champion once at the Iowa State Show and Sale.

★ **4 by ERIZ BOY CHOICE FVW**
Our All Iowa Fair Champion bull that was used with great success at Iowa State College in Ames.

★ **by LL QUALITEER**
A very low set, deep bodied son of the National Show Champion, Eric Qualiteer.

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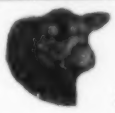

1 GAMMER - 1 BLACKCAP BESSIE
1 BALLINDALLOCH GEORGINA

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Also 2 Environ Erica heifers. All open, and all sired by

BESSIE'S EILEENMERE OF W. 2nd

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Starting 12:30 P. M.

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17th Central Iowa

Angus Auction

Marshalltown Livestock Auction, S. 18th Ave., East of City

MARSHALLTOWN, IOWA

MONDAY, SEPTEMBER 17

Starting at 12:00 Noon — All sell in afternoon

136 Head — selling as 91 LOTS

"ONE OF THE LARGEST SALES HELD THIS FALL"

- **45 Young cows with calves, many rebred**
- **13 Choice young cows close to calving**
- **4 Beautiful heifers coming with first calves**
- **28 Attractive open heifers, many ready to breed**
- **1 Real herd bull, 3 year old Eileenmere-bred**

The **QUICK-PROFIT** kind, consigned by 14 of Iowa's leading breeders. **FORREST & HAZEL BRENIMAN**—2 heifers, 1 choice GAMMER; **ADDIS GREIMAN & SONS**—3 top heifers, one excellent JESTRESS; **WARREN SOORHOLTZ**—5 heifers, a GAMMER, a BESSIE and a GEORGINA; **TRUE FULLER**—Greenmere Stock Farm, 19 females, 10 cows and calves, 4 bred cows, 3 bred heifers, 2 open heifers. A great tried and proven 3 year old bull, grandson of **HOMEPLACE EILEENMERE 90th, BORDULAC** and **McHENRY** breeding at its best; **WALTER & J. R. WILKINSON**—18 head, 12 cows and calves, 6 young bred cows, calves by **COQUETTOMERE-LEEN 2nd** rich breeding; **GARNETT G. WEST**—3 cows and calves, 1 bred cow by Nationally known bulls; **DICK VANDER WERFF**—10 attractive heifers; **JAMES STEPHENSON**—an Evening Erica heifer; **GLEN WEUVE**—2 Evening Erica cows with calves; **R. J. HADLEY**—5 cows with calves, **McHenry** breeding; **LOREN EMKE**—2 cows and calves by **CRITERION BARDOLIER 52nd; CLEMENT BROS.**—4 open heifers of **EVEN BARDOLIER 10th** and **ELAPSIS BELLMERE 5th; ROY A. RITTER & SON**—2 cows and calves, 1 bred cow, 3 bred heifers. They are bred to PRINCE BARDOLIER; **VERNON L. STUBBS, JR.**—9 young cows with large calves. Plenty of 4-H and F.F.A. prospects. FREE catalog sent on request only. Kindly mention this publication. Address

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To CENTRAL IOWA ANGUS SALE

MARSHALLTOWN, IOWA, SEPTEMBER 17

3 BEAUTIFUL HEIFERS

1 Excellent open heifer a **BLACK JESTRESS** — she is of show-yard style with merit.
1 Choice open heifer a **HARTLEY ELINE**, with type and ideal quality.
1 Ten year old daughter of **Pride Qualiteer Hillcrest**—a **HARTLEY EDELLA** and bred to **ESTON'S JUANA ERICA.**

These will make valuable foundation cattle. See them.

ADDIS GREIMAN & SONS, GARNER, IOWA

---

2 GRAND BREEDING COWS SELL

MARSHALLTOWN, IOWA, SEPTEMBER 17

IN CENTRAL IOWA ANGUS SALE

ELBA EVA E. 4th, a 3 year old daughter of EMPEROR ELEVATOR OF TAMA with heifer calf, suitable for 4-H work by CRITERION BARDOLIER 52nd, top of '54 **AAA Ranch Sale.** Bred to JUANAS BARDOLIERMERE by Bellevue Bardoliermere 2nd. **GEORGINA L. E.**, a 3 year old daughter of **BANDOLIER** or **ANOKA 34th**, with choice heifer calf by CRITERION BARDOLIER 52nd, mated to JUANAS BARDOLIERMERE. The **QUICK-PROFIT** kind. They will please our best cattlemen.

LOREN H. EMKE, TOLEDO, IOWA

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FEED BP Blended Protein

FEED of CHAMPIONS
FOR MARKET OR SHOW RING

First in Leadership! First in Quality!
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Convert feed into beef efficiently
Angus are famous for converting grain and roughage into quality beef that brings top-of-the-market prices. Be ahead! Feed Blacks!

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Now offering at attractive prices, 25 of our 1955 heifers. All popular families by our proven herd bulls, headed by R.L.S. PRINCE ERIC 18th. Also a few outstanding year old bulls. Visit us, write or phone No. 23278.
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Choice two-year-old Bandolier bull, a son of GREAT OAKS ROSEMAR 4th, for sale. Also good young bulls ready for service. Top quality, richly bred, pleasing type. Best breeding. Priced to sell.
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Herd rich in best BANDOLIER-BARDOLIER breeding. Popular blood lines. Herd Bulls: BROOKDALE BLACKCAP BARDOLIER 19882256 Prince Bardolier. Visit us any time.
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PRINCE QUALITY OF SUNBEAM
His progeny have quality and merit. Several excellent young bulls by him and our other herd bulls. BAR QUALITY M. B. by Prince Quality of Sunbeam, HAONAS PRINCE ERIC 21st by RLS Prince Eric 24th. We have the most fashionable families. Genuine Herd Bull Prospects. Act now. Farm 12 miles S.W. of Iowa City. Visitors always welcome. Phone Sharon Center 2 on 35.
MAAS BROS., RIVERSIDE, IOWA
Meredith, Meredith, Jr., and Donald

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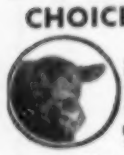

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HERD SIRES:
BARDOLIER 40th OF WILTON
son of Black Bardolier of White Gates 3rd
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son of Evaders Quality Bardolier
FEMALES of most popular families. Visit farm.
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Carcass Contests Expanded For 1956 International

Stepped-up emphasis on carcass contests at this year's International Live Stock Exposition was approved by the directors of the Exposition in their annual meeting to determine the prize lists and competitions at the 1956 International show.

Instead of one cattle carcass competition, where all breeds of steers were first judged on foot, and their carcasses then judged after slaughter, there will be separate classes this year for each of the three beef breeds. It is planned to select a champion carcass of each breed and a grand champion carcass over all breeds.

The cash prize lists in this division will be three times bigger than ever before, officials of the Exposition report.

Each of the three beef breed associations—the Aberdeen-Angus, Hereford and Shorthorn—and the Exposition will contribute equally to these increased prizes.

At the 1956 International carcass show, cattle will be judged alive. Later their carcasses will be judged by a committee of three, consisting of a college animal husbandman, a packer cattle buyer, and a beef provision man.

The three classes of each breed, as approved by the Exposition directors, will be as follows: Junior yearlings, with a minimum live weight requirement of 1025 pounds; summer yearlings, minimum live weight 900 pounds; and senior calves, with a minimum weight of 800 pounds.

A fourth class was approved to include purebreds, grades, cross-breds of all other beef breeds.

Officials of the Exposition report that the premiums in the cattle carcass classes at the 1956 International will compare closely with the same awards offered in the long-established live steer competition.

An additional $100 cash prize will be offered for the champion carcass of each breed, and the Exposition will provide a $100 prize for the grand champion carcass over all breeds.

Increased prizes were also approved by the show directors for the sheep carcass classes this year, to consist of a class for wether lambs weighing 85 pounds to 100 pounds, and another for lambs weighing over 100 pounds to 115 pounds.

Prizes for the International swine carcass classes, greatly increased at the 1955 show, will remain the same this year, it is reported.

New this year will be an auction sale of the grand champion and reserve grand champion carcasses of beef, lamb and pork, as a feature of the Tuesday night International Horse Show, November 27.

According to the management, competition in other divisions of the Exposition will be the same as in the past years. The complete prize list totals over $100,000.

Dean Emeritus H. H. Kildee, of the Iowa State College, a noted live stock judge and vice-president of the International show, is in charge of the Exposition's carcass competitions. Robert Bray of the animal husbandry staff at the University of Wisconsin, and nationally recognized as a meats specialist, is superintendent.

FEEDER CATTLE

MISSOURI COOPERATIVE
FEEDER CATTLE SALES
54,000 Cattle — 39,000 Calves, 15,000 Yearlings will sell in Missouri Cooperative Feeder Cattle Sales, September 17 to October 26, 1956. For catalog write M. S. Barnett, 230 Mumford Hall, Columbia, Missouri. Watch for detailed advertising.

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CHOICE HEREFORD BULLS
10 to 30 Months Old
Sons of PEARSON DUKE 46th. They are Beefy Type Bulls, the kind everyone is looking for. Come and see. Visitors always welcome.
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REGISTERED HEREFORDS
Bloodlines: Battle Pioneer 54th, Domino Heir G.; Real Heir L.
Bulls and Females for sale.
BUSH HEREFORDS LAKE PARK, IOWA

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Horned Hereford Bulls, serviceable age. Also open heifers. Calfhood vaccinated for Bangs. Sired by TH LARRY ONWARD 25th 6745189, son of Thorp's famous MW Larry Onward 13th. Reasonable.
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HEREFORD FEMALES
10 Choice registered open heifers coming two years old. Sire, ELATION breeding out of WHR bred Dams. REASONABLE.
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For Immediate Sale

Choice Herd Bull prospects by CSF CHOICE DOMINO 2d, ALF REAL ONWARD 16th, REGULATOR DOMINO 16th and CSF IOWA CHOICE 10th. Herd federally accredited, all females officially calfhood vaccinated.
Curran Stock Farm, Mason City, Iowa

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VIRGIL • JOE • NORBERT
Production Sale Sept. 29, Knoxville, Iowa
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Polled Hereford Bulls of serviceable age and younger. Sired by ROYAL DOMINO 17th and MISCHIEF DOMINO 14th. Also open heifers.
ERNEST DAY & SONS GRIMES, IOWA
10 Miles Northwest of Des Moines

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Shorthorns and Polled Shorthorns

Lowada Golden Archer

Bulls ready for service by LAWTON PRIAM (Imp.) and his son PERFECT PRIAM. Excellent calves by CROMLEYBANK ELDORADO (Imp.). A few heifers tested to LOUADA ROYAL ARCHER 90,400 sire of Cairnside Armanda.
BEN O. STUDER, WESLEY, IOWA

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MODERN TYPE SHORTHORNS
Buy the blood of champions
N-BAR-PRINCE
International Grand Champion
KILLEARN MAJOR
The sire of champions in the strongest competition. Quality breeding stock available.
W. C. ANDERSON & SON, West Liberty, Iowa

Protect Sheep From Wool Maggots

Wool maggots endanger the health of sheep thruout Iowa during the warm months, points out Earle Raun, Iowa State College extension entomologist.

These maggots live on sheep in the wet, matted wool around the rear of the animal and in the wool surrounding wounds. They don't grow in live flesh, like screwworms, but will develop in any "messy" wool.

Secondary Infection

Raun says they are the larvae of blowflies. They don't cause the sheep's death directly, but they often open the way for secondary infections that will kill the sheep.

You can prevent these attacks, Raun says, by shearing under the tail and between the hind lengs of the sheep to remove the matted wool and tags, and by treating any wounds on the sheep with smear. He advises using Smear 62, Smear 32, EQ-335 or other approved smears.

Shear and Treat

If the animals become infested with wool maggots, the infested areas should be sheared and treated with the smear. If the sheep is wounded you must repeat the smear treatment at five to seven day intervals until the wounds heal. Spread the smear on the wool around the infested area of the wound, then cover the wound or the worm-infested area.

You can get further information on treating your sheep for insect pests at your local county extension director's office. Ask for Pamphlet 180, "Insect Pests of Sheep."

Minnesota Milking Shorthorn Sale
In Youth Coliseum
NEW ULM, MINN.
FRIDAY, SEPT. 21

5 Bulls—Serviceable Age
20 Splendid Cows
25 Bred Heifers

A choice consignment selected from the leading herds. The modern type, rich breeding with production and quality. Plan to attend. Ask now for FREE catalog. Kindly mention this publication. Address:

Clarence J. Voehl, Sale Mgr.
Rt. 1, Worthington, Minnesota
BANQUET Sept. 20, at Ebner's Cafe, all cordially invited.

EWE MARKING HARNESS

Shows which ewes bred and when; also ram's potency. Saves time, money, lambing space! Durable JOURGENSEN make; strong web straps. Holds grease-crayon, red, green, black; specify colors and whether hard (summer), soft (winter). ORDER FROM your dealer, or fob SF: HARNESS $5.75, CRAYONS 30c each. *Add postage, 40c per harness, 25c per crayon; we'll refund excess.*
CALIFORNIA STOCKMEN'S SUPPLY CO.
151 Mission St., Dept. G-W, San Francisco

POLLED SHORTHORNS

POLLED SHORTHORN BULLS
10 choice bulls for sale, 6 to 20 months old by HIGHLAND EXCELLENCE and CEDARVALE SENSATION. REASONABLE.
S. B. HUDSON & SONS KNOXVILLE, IOWA

HILL BROOK FARM
POLLED SHORTHORN bulls, serviceable age with size and quality, by V. V. ROYAL LEADER 10th and SHADYBROOK COMMAND 53d. Priced right.
OTTO F. SCHRUNK & SONS, MAPLETON, IA.

SHADYBROOK FARMS
Production-Tested POLLED SHORTHORNS
The only profitable kind.
Always choice Bulls for sale.
BERT A. HANSON, VERNON CENTER, MINN.
Farm 30 miles north of Iowa line on U. S. 169

POLLED SHORTHORN BULLS
Choice Purebred red and roans, ready for heavy service. 100% Vaccinated. Phone Castana 602. REASONABLE.
PHILIP JOHNSTON & SONS, CASTANA, IOWA

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LIVESTOCK FOR SALE
Saddle Horses—young registered.
American Saddle mares.
Dairy bulls—Ayrshire, Brown Swiss, Guernsey, Holstein, Jersey.
ANIMAL HUSBANDRY DEPARTMENT
Iowa State College Ames, Iowa

BROWN SWISS BULLS
Choice registered Bulls for sale, serviceable age. Good type, high production. Farmer prices.
DANNEN RESEARCH FARM
Box 429, ST. JOSEPH, MISSOURI

HOLSTEINS AND GUERNSEYS
Choice Dairy Heifers from 850 to 900 pounds. HOLSTEINS 13 ½c per pound. GUERNSEYS 11c and 12c per pound. All heifers sold by pound. Also springing cows and heifers. Write or call
LINK BROTHERS, Inc., MINONG, WISCONSIN

TOP QUALITY
Holsteins, Guernseys, Brown Swiss.
All ages. Priced right.
J. M. McFarland, Watertown, Wisconsin

WISCONSIN'S GOOD QUALITY
HOLSTEIN AND GUERNSEY DAIRY HEIFERS AND HEIFER CALVES
Any age. Will deliver any sized order on approval by truck.
ROSS BLOTT, Box 527, MUKWONAGO, WIS.

HOLSTEINS

HOLSTEIN BULLS
Choice registered bulls offered, serviceable age, fine individuals by Proven Sires from our best Dams for TYPE, UDDER and HIGH PRODUCTION. Popular blood lines. REASONABLE.
MAYTAG DAIRY, Inc., Rt. 506, NEWTON, IA.

HIGH GRADE HOLSTEINS
Choice springing heifers and cows, also open heifers and bred heifers. T.B. and BANGS tested. Order buying a Specialty. Phone 3895.
RICHARD D. JOHNSON, HAYFIELD, MINN.

Registered and Grade Holsteins
Calves and bred heifers. Popular breeding.
Bang's and T.B. tested.
GEORGE PIPER FARM, WATERTOWN, WISC.

WISCONSIN HOLSTEINS AND GUERNSEYS
CHOICE COWS, HEIFERS AND CALVES
Delivered on approval.
JAMES E. WELCH, R. 1, MUKWONAGO, WIS.

HOLSTEINS FOR SALE
MONTH OLD FOUNDATION HEIFERS.
Tested. Delivered your door collect. 50 or more on hand. Inspection invited.
GLENN CLARKE, Rt. 10, SO. ST. PAUL, MINN.

HOLSTEINS FOR SALE
High Grade Holstein cows and heifers to freshen this fall.
R. C. JONES, WEST CONRAD, MINN.

POLLED MILKING SHORTHORNS

Polled Milking Shorthorns
Choice registered Bull and Heifer calves, red and roans, 1 month to 1 year old. Reasonable.
HAROLD OTDOERFER, Strawberry Point, Iowa

When writing to advertisers, will you please mention this paper.

LIVESTOCK NEWS

Buyers and **Yorkshire** enthusiasts from 15 states, South America, and Canada, were on the seats Tuesday, July 24, for the American Yorkshire Club's second annual National Type Conference sale. Animals sold into 11 states from Maryland to Washington at averages as follows:

18 spring boars averaged $137
20 fall gilts averaged $146
19 spring gilts averaged $101

T. C. Mobley, Smoky Acres Ranch, Pantego, N. C., took home both champions. He paid $500 for the champion boar consigned by Spring Valley Farm, Knightstown, Ind., and $425 for the champion gilt consigned by Kayeliff Farm, Greenville, Ohio. The reserve champion boar from the consignment of Henderson Farm, Coin, Iowa, brought $220, the bid of Old Elm Farms, Parma, Mich. Glenn Newcom & Sons, Tipton, Ind., paid $225 to own the reserve champion gilt consigned by Spring Valley Farm, Knightstown, Ind.

Cols. Jim Morris, Hobart Farthing and Vaughn Lipp cried the sale.

Nearly 600 **Hampshire** boosters from 22 states and South America were on hand at the 18th annual National Hampshire Meat-Hog Conference at Sioux Falls, S. D., July 29, 30 and 31. Leading breeders from Washington to New York and Minnesota to Texas were in attendance.

Much credit for the great growth in popularity the Hampshire breed has enjoyed during the past decade is due to the very able leadership of their national secretary, Rollie Pemberton. Breeders and commercial men in attendance demonstrated the very high regard in which he is held by a standing ovation on Monday morning, when the main program got under way.

Much interest was shown in the Meat-Type Sire Certification program, and nine of the 22 litters slaughtered for certification made the grade. Winner with the highest ranking litter among those certified was a litter by Golden Dream entered by C. T. Keen & Son, LeGrand, Iowa. Staley Farms, Liberty, Mo., consigned the champion hoof-carcass barrow. In the barrow show, Oklahoma A&M, Stillwater, Okla., brought out the champion, and Staley Farms exhibited the reserve champion.

Buyers from 18 states and South America divided the offering in the sale. Averages were as follows:

23 boars averaged $264
30 bred gilts averaged $181
38 open gilts averaged $111
91 lots averaged $168

Top price of the auction was $760 paid by Treasure Acres, Blairsburg, Iowa, for the reserve champion gilt, M. L. Silver Look, a bred daughter of Meadowlark New Look consigned by Meadowlark Farms, Inc., Clinton, Ind. Walsh Bros., Beloit, Wis., brought out the champion gilt, a senior gilt by Western Master selling to Anher Farms, Plymouth, Mich., for $325.

John Volk & Sons, Battle Creek, Nebr., brought out the champion boar, Fabulous, a son of Battle Hawk CMS. He was top selling boar at $750, the bid of Paul Belts, Gravett, Ark. H. D. "Hoot" Elijah, Paulo, Brazil, paid $235 to own the reserve champion. L. W.'s Knock-Out, a son of Lord Willen consigned by McGuire Hampshire Farm, Wisner, Nebr. Richard Slein, Washington Court House, Ohio, paid $570 to own Lord Edward 1st, consigned by Ralph S. Wilson, Burlington, Wis.

Cols. G. H. Shaw, John Hall, Keith Goode and Dick Kane cried the sale.

The Yorkshire sale of Bob Walters, Eldora, Iowa, August 11, was very successful. Top bred gilt sold for $100 to Don Campbell, Oxford, Iowa. Top boar went at $115 to C. A. Jonnsen, Wellsburg, Iowa. Walters sold 111 head.

Iowa First As Meat State

Iowa leads all states in the production of meat. And by a big margin.

One out of every seven pounds of liveweight produced by meat animals for the entire nation last year was produced on Iowa farms, Francis K. Kutish, Iowa State College farm economist, said recently. Liveweight production includes the pounds added on livestock shipped into Iowa for feeding as well as the livestock raised by Iowa farmers.

Kutish said that Iowa farmers last year produced more than 7.1 billion pounds liveweight of cattle, calves, hogs, sheep and lambs. That's over 80 percent more than was produced by Iowa's nearest competitor, Illinois.

Nebraska ranked third in liveweight production of meat animals last year. Minnesota ranked fourth.

Iowa's predominant role as a meat animal producer is pointed up by the fact that the Hawkeye State's liveweight production of meat animals last year was greater than the combined output of the next two ranking states, Kutish pointed out.

Reason for Iowa's big lead in meat animal output stems from our large feed production, according to Kutish. In addition, Iowa farmers market more of their feed thru livestock than do Illinois farmers. Iowa is far out in front as a hog producer.

Oat straw is the most commonly used material for mulching strawberries.

The best way to kill rats is by using warfarin or pival poisons. When mixed to directions, these baits are reasonably safe for other animals, says Earl Raun, an Iowa State College extension entomologist.

Missouri Cooperative
Feeder Pig Sales
AT AUCTION
6,000 FEEDER PIGS
SEPT. 11 - ALTON, MO. - 3000
Chas. Nicholas, Manager
Alton, Missouri
SEPT. 12 - Doniphan, Mo. - 3000
Fred Pepmiller, Manager
Doniphan, Missouri

All pigs vaccinated with serum and virus **30** days or more prior to the sale.

Pigs are sold by the pound.

These pigs are well bred, thrifty, good-doing kind, raised on the farms in the surrounding area. No boars.

Veterinary inspection the day of the sale.

Pigs will weigh from **30** to **125** pounds. They are sorted into uniform lots under supervision of **Missouri Agricultural Extension Service.** The number of pigs per lot will vary from a few to **100** head.

Farmers have their own sale facilities.

DUROC JERSEYS

DUROC BOARS

4 boars bred by us sold in **Boar Testing** Station sale, and we bred sire of 3 others. **BOARS** of same breeding offered privately. Our rate of gain on 4 sold approx. 2-lbs. a day, probe 1.46 inches backfat. REASONABLE. Located 15 miles South Sioux City on Hwy. 75.

"36 years Breeding Duroes"

N. W. TOPF & SONS, SALIX, IOWA

HAMPSHIRES

SELLING PRIVATELY

50 HAMPSHIRE BOARS AND 50 OPEN HAMPSHIRE GILTS

Sired by the Grand Champion, Lord Willen and out of PR and Certified litters. Priced in the reach of the progressive commercial hog producer.

McGUIRE HAMPSHIRE FARM
WISNER, NEBR.

HAMPSHIRE BOARS

60 registered Boars, long-rugged, MEAT-TYPE, also open Gilts.

REASONABLE

DON YUSTEN, KASSON, MINNESOTA

HAMPSHIRE GILTS

Choice registered sows and Gilts bred to outstanding Boars to farrow after August 24. Reasonable.

FRED L. HART, CHANDLER, MINN.

HYBRID HOGS

HYBRID HOGS

Meat Type Hybrid — Get the Full Story
1. Save 20 lbs. feed per 100 lbs. gain.
2. Raise 1-2 more pigs per litter.
3. Go to market 2 weeks sooner.

HERE'S PROOF: Over 2 million pigs sired by Wilson Hybrid Boars—800 customers—8 years continuous increase in sales. Vaccinated for Cholera and Erysipelas, blood tested. Guaranteed breeders. Free delivery. Write for free literature. Dealership available.

WILSON HYBRID HOG ASSN., Harlan, Iowa

MEAT TYPE BOARS

We have best quality boars to offer the year around. Our boars will contribute HYBRID vigor, stronger pigs, better mothers, faster gain, on less feed per 100 lbs. of gain. Larger litters, raised to market, and a solid MEAT TYPE carcass. Save $50 to $75 per boar and buy direct. No salesman's commission to pay. Our strains are exclusive. All animals guaranteed to be clean and breeders.

McALLISTER SEED FARMS
Mt. Pleasant, Iowa

YORKSHIRES

YORKSHIRES

Choice Bred and Open Gilts. Also 50 long, rugged Boars. Farmer Prices.

BOB WALTERS — ELDORA, IOWA
Bear Creek Valley Yorkshires

SHEEP

HAMPSHIRES

Choice Ram Lambs and yearling Rams, IOWA STATE COLLEGE and SUPERAM bloodlines.

Reasonable

CASPER TORKELSON, STORY CITY, IOWA

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A feed or a concentrate is no better than the ingredients and formulation use by a manufacturer, no matter who the company is or how big they are. The Bolson Co. asks that you compare their products with what you are now feeding. Do this next time you need feed.

L. C. BOLSON CO. DECORAH, IOWA — A NAME YOU CAN TRUST IN FEEDS!

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HAMPSHIRE BOARS FOR SALE

Better bred Hampshires for the Commercial and Purebred breeder. Sired by WESTERN SPECIAL and SPECIAL BUILDER. Also commercial gilts to be offered in groups. Bangs accredited herd. Reasonable prices.

Since we will not hold a public sale this fall, our customers may make their selections from our 1956 crop, at the farm.

Lee C. Norris, Fremont, Iowa
Farm 1 W., 4 S., and 1 W.

INBRED HOGS

LUCIE HYBRID BOARS

The only herd backed by 17 years performance testing.
1. Save 10 to 20% on feed.
2. Produce MEAT-TYPE hogs.
3. Raise more pigs per litter.
4. Go to market 2 weeks earlier.

1½ Million pigs sired by
LUCIE HYBRID BOARS

Guaranteed breeders. We deliver. Phone 265F6. Farm 1½ miles northwest.

LUCIE HYBRID HOG FARM, Augusta, Illinois

LANDRACE HOGS

REGISTERED
AMERICAN LANDRACE
Iowa State College foundation stock since 1948
FOR IMMEDIATE SALE

Weanling pigs, boars, gilts, also bred sows and gilts. SIRED BY: J. H. Landlord of Lady Gillebo and Spangbods breeding, imported in dam, also Iowa State College and USDA (Beltsville) blood lines.

HAROLD F. MEARS
RL. 3 — JEFFERSON, IOWA

IOWA LANDRACE
Directory

Following Breeders now offering Quality LANDRACE:
RICHARD HUMMEL, R. 1 A., Spencer, Ia.
VICTOR V. JOHNSON, Ankeny, Ia.
MA-KO-TA FARM, R-1, Ames, Ia.
M. W. MARTIN & SON, Hancock, Ia.
WESTWIND FARM, Don & Ed Lee, Letts, Ia.
ALBERT & MARTIN CLARK, Kanawha, Ia.
DON KOCH, Latimer, Iowa
G. N. KNICKERBOCKER, Radcliffe, Ia.
DOWDEN & SON, Conrad, Iowa
Write to any of the above for FREE information.

LAST CALL!!!
IOWA LANDRACE BREEDERS STATE SHOW AND SALE
Boone, Iowa, Sept. 5
Show: 3:30 P.M. - Sale: 7:30 P.M.
14 Bred Gilts, 33 Boars, and 17 Open Gilts

AMERICAN LANDRACE

Purebred Boars, excellent breeding, type desired for crossbred litters that mature fast. MEAT-TYPE. Gilts and Sows bred for Jan., Feb. and March farrow. (Delivered.) Reasonable.

J. H. SCHROOTEN — R. 1, FAIRMONT, MINN.

Registered Landrace

Boars and gilts—best of breeding. Come early—get your choice.

Curtis Iversen, Battle Creek, Iowa

MONTANA No. 1

MONTANA NO. 1

Choice Boars and Gilts. November and December farrowed. Well-grown, desirable breeding. "True Meat Type Hogs"

TED SCHOTZKO & SON, SPRINGFIELD, MINN.

MONTANA NO. 1

Choice, well-grown boars, ideal for Cross-breeding. Double treated.

REASONABLE

RALPH B. HELVIG — WINNEBAGO, MINN.

MEAT-TYPE BOARS

50 MONTANA No. 1; MINNESOTA No. 1; MINNESOTA No. 2; Inbred DUROC Iowana Combinations by R.O.P. Herd boars, double treated.

REASONABLE

IVAN OTTE — CLARINDA, IOWA

TAMWORTHS

PUREBRED
TAMWORTH SALE
Held at farm near
AINSWORTH, IOWA
MONDAY, SEPTEMBER 17
Sale starting at 1:00 P.M.
50 HEAD
25 CHOICE BOARS
25 OPEN GILTS

Outstanding blood lines and equally fine individuals. Ask now for FREE catalog.

J. H. Jones, Ainsworth, Iowa

SLOW DOWN AND LIVE!

SHEEP

PRIVATE RAM SALE

Southwest Iowa Purebred Sheep Breeders Rambling Ram Truck will be at following places on Sept. 6-7, with Good Quality—
SUFFOLK - SHROPSHIRE - HAMPSHIRE - OXFORD - CHEVIOT - MONTIDALE Rams

Sept. 6—CRESTON, 9 to 11 A.M.
Rath Packing Plant
Sept. 6—RED OAK, 1 to 3 P.M.
Fair Grounds
Sept. 6—ATLANTIC, 4 to 6 P.M.
Fair Grounds
Sept. 6—AUDUBON, 7:30 to 9:30 P.M.
Fair Grounds
Sept. 7—GUTHRIE CENTER, 8-10:30 A.M.
Sale Barn
Sept. 7—WINTERSET, 1 to 3 P.M.
Fair Grounds
Sept. 7—INDIANOLA, 6 to 8 P.M.
Fair Grounds

Ivan Russell, Secy., Earlham, Iowa

SUFFOLK RAM SALE

Livestock Sale Barn
SPENCER, IA., THURS., SEPT. 6

Choice outstanding RAMS for farm flocks. Several good COLUMBIA RAMS. Ask for FREE catalog. Address

MAX BROWNELLER, ROSE HILL, IA.
Iowa Suffolk Breeders Association

CORRIEDALE-SUFFOLK

Choice registered Sheep. Satisfied customers since 1939. REASONABLE.

BLANCHARD & KRACHT, CHARITON, IOWA

HAMPSHIRE RAMS

Choice, well-grown yearlings and Lambs by Oklahoma A. & M. Rams. Desirable quality. Reasonable.

R. E. WALSH & SONS, VAIL, IOWA

DOGS

NOTICE—Unsatisfactory dogs must be returned within time specified by advertiser. Buyer always pays express charges (both ways if dog is returned) unless advertiser states in advertisement that he will do so.

— BEST YET —
ENGLISH SHEPHERD PUPS

Guaranteed to bring home the cows. Year's trial. Choice of sex. Spayed females a specialty. Priced right.

CLOVERDALE FARM — ACKLEY, IOWA

Genuine English Shepherd and Border Collie Pups. (Either sex—also spayed females $15.00.) Order direct from this ad. Give color. (Satisfaction guaranteed.) 65,000 satisfied customers (45 years on same farm.) Stepsaver-heeldriving farm dogs. No fooling. Training instructions, year trial, distemper vaccinated. Runfle Kennels, Reinbeck, Iowa.

Purebred Border Collies
English Shepherds
America's most useful dogs. Puppies all ages. Both sexes. Choice colors. Faithful workers. Satisfaction guaranteed.
We breed and sell our own stock.
FAIRMOUNT FARMS — CEDAR FALLS, IOWA

English Shepherd — Bobtail Shepherds

Border or Scotch Collie choice pups raised from our A-1 Natural Heelers. Guaranteed. Training instructions. Some partly trained.

BROOKVIEW KENNEL FARM
1 Mile East, ¼ Mile South — AYRSHIRE, IOWA

SHOMONT COLLIES

Workers — Companions — Guards. Shepherd puppies from working stock. Write for free lists.

SHOMONT FARMS AND KENNELS
MONTICELLO — IOWA

GENUINE ENGLISH SHEPHERD PUPS
DISTEMPER VACCINATED

Guaranteed heelers. Year's trial, training instructions. Males, females or spayed females.

HIGHVIEW KENNELS, CEDAR FALLS, IOWA

GENUINE
ENGLISH SHEPHERD PUPS

Guaranteed heelers, year's trial. Males, females, spayed females $15.00. Training instructions. Distemper vaccinated. Also Registered Collies.

DEAN FLEMING — TRAER, IOWA

SPORTSMEN:

World's Largest Kennel offers 500 Pointers, Setters, Straight Coners, Combination Hounds, Rabbit and Squirrel Dogs, Beagles, Fox and Wolf Hounds. Trial. Prices reasonable. Catalogue free.

Smokey Mountain Kennels, Cleveland, Tennessee

GENUINE ENGLISH SHEPHERD

Choice Pups and Natural Bob Tails, either sex and spayed females. $10. We raise our own dogs and are guaranteed heelers, year's trial.

WM. C. BOCKENSTEDT, EARLVILLE, IOWA

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Term soon. Ask for FREE catalog. Home study course available. Founded 1921. G.I. Training approved.

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Successful sales for leading breeders. Life-time experience all types of livestock. Rates reasonable. Ph.: Office CHerry 3-6181; Res. CRestwood 7-3645

J. E. HALSEY, Box 1317, DES MOINES, IOWA

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America's leading Auctioneers teach you. Students sell actual sales during term. Our graduates are successful. Earn large income. Term soon. FREE catalog.

REISCH AUCTION SCHOOL — Mason City, Iowa

These two pictures show very clearly and simply the effect of water, adverse soil and weather conditions on untreated and pressure-treated wood. The untreated post on the left has been in use on Mr. Templeton's farm for eight years. Notice how the sapwood has decayed leaving the heartwood exposed. The pressure-creosoted post on the right has been in the ground for twenty years and shows no sign of decay.

ARCHIE TEMPLETON,
Evansville, Wisconsin
SAYS

"Pressure-creosoted fence posts outlast any post I've tried"

"I have some pressure-creosoted posts on my farm that have been there for twenty years," continues Mr. Templeton, "and they look as good as the day they were installed. Some of these posts I set in the cement floor of a pig pen and they are still solid. If I used the posts I had originally planned for this job, the hogs would be pushing them over by now. And when posts are mounted in a cement floor, you don't replace them."

To find out more about pressure-treatment with USS CREOSOTE, the quality preservative, and to learn more about good fencing with less replacements and a low annual cost, just mail the convenient coupon below. We will be happy to send you the three free U. S. Steel folders, "Fence Planning Saves," "Fences That Pay," and "A Boring Tale." They prove helpful when you plan and build your farm fence.

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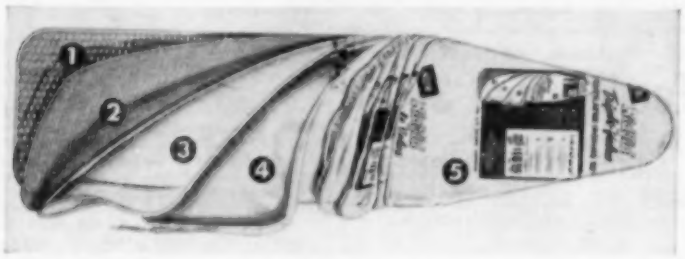
UNITED STATES STEEL

For further information about any of the products shown here, write to Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.

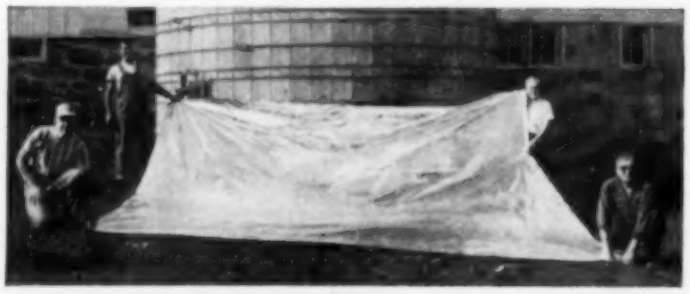


Ventilated ironing! New pad and cover is designed for open-mesh, steel top ironing tables. No steam is reflected around ironer's hands or face. Introduced by J. R. Clark Company.

Cutting-type grinder is said to handle over 300 bushels per hour when grinding ear corn coarse for cattle, and pulled by John Deere 70 tractor. Cob cutter available. Made by Letz Manufacturing Co.

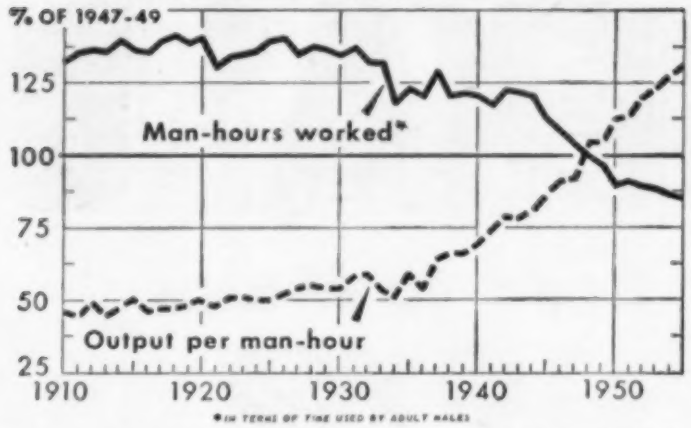
Floor for poultry houses is said to take the place of litter. It's made of metal girders, supported above ordinary floors. Fifteen inches of space under the metal girders is recommended. Then no roosts will be necessary and cleaning is a once-a-year job. Made for chickens or turkeys by Hawkins Million $ Hen, Inc.

Post-driver uses principle of rope around revolving drum. Tighten rope to raise weight. Release pressure on rope, and weight falls, driving the post. Drives wood or steel posts. This driver was demonstrated at first Farm Family Field Days by Kewanee Machinery & Conveyor Company.



Aluminum plastic cover for silage saves waste. Said to be strong and to resist temperature changes. Made by American Aluminum and Thermoplastics Co.

FARM LABOR PRODUCTIVITY



Farm efficiency has been going up since 1910 as the U. S. Department of Agriculture chart shows. Increase has been rapid since about 1937. Further increase is expected. But there's little evidence that farmers economic problems have grown less with the increase in labor efficiency.

What's Ahead...

SOYBEAN PRICES for this year's crop are likely to stick around the net that can be realized from the government loan. National average is $2.15.

Homer Hush

Last year's dollar a bushel price increase from harvest time to May will not be repeated because the crop is 20 percent larger. And production of fats and oils has increased in Europe and South America. See page 60 for discussion of soybean situation.

Some price strength at bean harvest time could result if wet weather delays harvest, or if farmers hold beans, remembering last year's price increase after harvest. Holdover of old beans will be small.

This looks like a good year to use the government loan as bean price insurance. Sell on any substantial rise above that level.

CORN PRICES will vary by areas after harvest this year. December corn prices in Iowa and Nebraska appear likely to range from $1.20 in the good crop localities, to $1.30 or more where drouth and hail hit hardest. Some predict corn prices as low as $1.10 in the big-crop states of Illinois, Indiana and Ohio.

However, price effect of the new corn loan to all producers has not been tested. Any producer can get a loan at $1.25 (national average). If corn is dry enough to seal in December, this new loan might dry up "free corn" supplies and make prices higher than now expected.

SEVERAL THINGS point to an increase in short-fed cattle this fall. First, higher fat cattle prices tempt feeders. And records show that movement of heavy feeder cattle from 10 markets from July 1 to mid-August more than doubled this year over last year.

Short-fed cattle can be expected to come back to market 90 to 100 days after being taken out. So the end of the present comparative scarcity in fat cattle is likely to come some time in November.

RAPID INCREASE of hog receipts at markets is just ahead. Last year weekly hog slaughter increased about 60 percent from early September to the high point in December. Increase this year will be somewhat less. But with an occasional exception, each week you wait to market hogs will find markets more crowded than before.

ESTIMATES are that Iowa farmers will sell 12 percent more hogs this month than last. But September sales will be four percent under September last year.

CORN RAISERS will have much less competition this year than last year from all of the feed grains—oats, barley and grain sorghum. Production of these crops is down from last year much more than corn production is down.

Extra-wide snout—30 inches between points—makes it easier to center on the row

12 feet high or knocked flat by hurricanes . . .

"Nothing stops a New Holland!"

• That's what farmers are saying all over the land—a New Holland chops and loads it all!

Put a New Holland Forage Harvester with a row crop attachment to work in your field and you can put up as much as 24 tons of corn silage in an hour. This is the kind of steady, high capacity you can count on—all day long, all season long.

With this chopper you can run your harvest from the tractor seat! One lever works the feed table—lets you start, stop, even reverse. *It's that easy.*

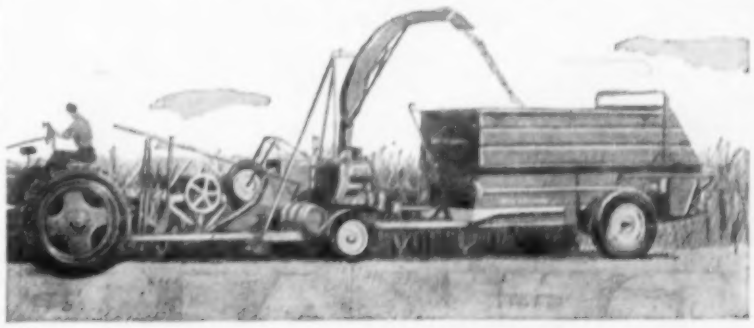
A perfect mate for your harvester is New Holland's P.T.O. Spreader that converts to a 3½-ton, self-unloading forage wagon . . . unloads automatically at the blower in a few minutes.

TRIPLE-DUTY MACHINE

New Holland's Forage Harvester with attachments is the one machine for all your forage crops. Whether you prefer engine-powered or P.T.O. equipment, the three pick-ups are interchangeable and easy to attach. Here they are: row crop, windrow, and sickle bar attachments. New Holland Machine Company, a subsidiary of Sperry Rand Corporation, New Holland, Pennsylvania.

NEW HOLLAND

"First in Grassland Farming"



DEKALB

Bred to Make IOWA Farmers More Money

EARLY VARIETIES FOR NORTHERN AREAS

DEKALB 402—Yields and stands well at thicker planting rates. Ranked 1st at Storm Lake with 107 bushels and 2nd at Grinnell with 103.7 bushels in DeKalb's 1955 Performance Comparison Tests as compared with 48 good DeKalb and other varieties.

DEKALB 409—This short stalked, dark green hybrid tied for 1st among 81 entries in state yield trials in Northeast Iowa last year with a 93 bu. yield. Produced 1955 Iowa winner in DeKalb's Selected 5-Acre Corn Growing Contest with 176.56 bushels in Osceola County.

MEDIUM EARLY VARIETIES FOR NORTHERN AREAS

DEKALB 423—This sensational new variety out-performed all DeKalb 400 Varieties in both yield and standing ability in 1955 Performance Comparison Tests. It ranked first among 49 good DeKalb and other varieties at Storm Lake with 103.8 bushels.

DEKALB 459—A good yielder on most soils and at thicker planting rates. Produced the National winner in Ohio in 1955 in DeKalb's Selected 5-Acre Corn Growing Contest with 210.36 bushels per acre. Averaged over 120 bushels for 6 Iowa County winners in same contest.

VARIETIES FOR CENTRAL AREAS

DEKALB 630—An instantaneous success in the first year of performance in 1955. Adapted to most soils in Central Iowa. Averaged 94 bushels in 7 official District Yield Trials there. Ranked third of 81 entries in District 9 in Southeast Iowa with 111 bushels. Medium height plants produce uniform ears.

DEKALB 631—A new hybrid developed for all soils in the Western half of Iowa where the weather is hotter and dryer. Maturity is medium—about same as DeKalb 627. Plants are medium in height and of a normal green color. Ears are medium in length with good kernel depth. Try DeKalb 631 in 1957.

VARIETIES FOR SOUTHERN AREAS

DEKALB 820—A clean picking, high quality variety with wide adaptation. Ranked third in Official State Yield Trials at Galesburg, Illinois with 121.1 bushels per acre. Fairly tall with good blight tolerance. Ears are long and solid.

DEKALB 837—The most blight tolerant of any DeKalb 800 variety and very widely adapted. Ranked in top 25% of all hybrids tested in three official state trials in South-central Iowa with an average yield of 96 bushels per acre in 1955.

DEKALB AGRICULTURAL ASSOCIATION, INC., DEKALB, ILL.

Commercial Producers & Distributors of DeKalb Seed Corn, DeKalb Chix & DeKalb Hybrid Sorghum

DEKALB *Planted by MORE Farmers for 17 Straight Years than ANY Other Corn!*

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